

LINT AND THE LAUNDROMAT

LINT

MAKING GUIDE

Z O Ë H E R R I N G

ZOE HERRING

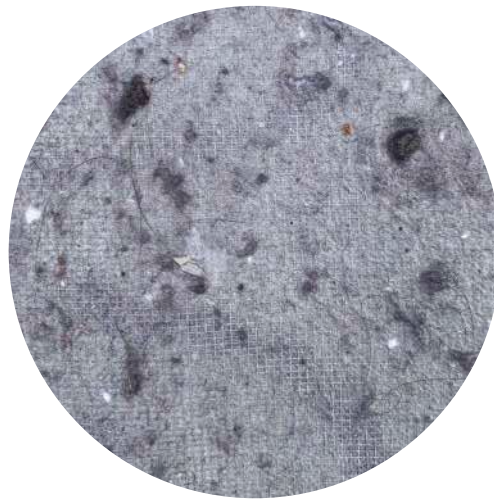
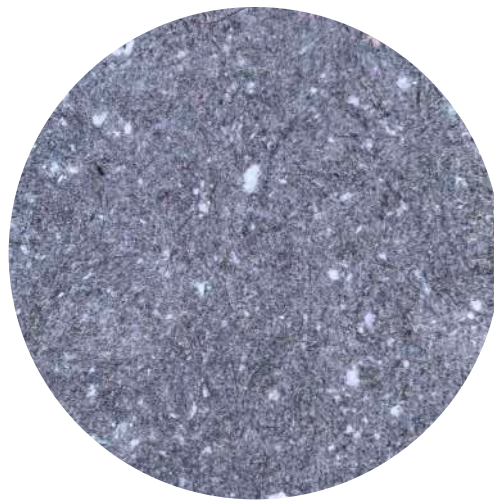
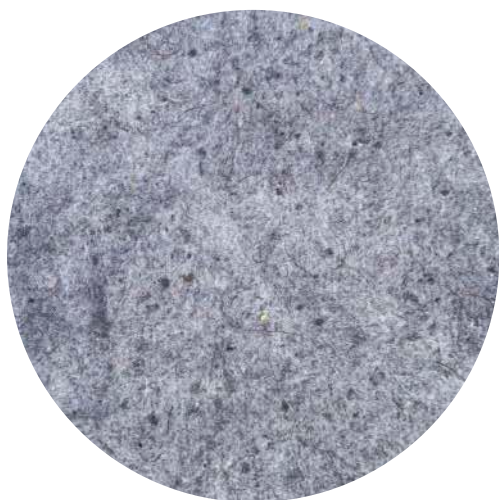
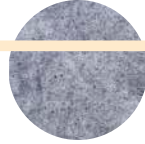



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Overview





LINT AND THE LAUNDROMAT

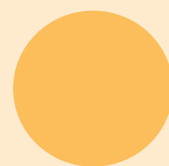
This project explores the exciting possibilities of dryer lint as a material. Linking back to the Lint's origin, I designed a proposal for a circular economy within the community of the Laundromat, allowing patrons to sell their lint made goods.

PROJECT BRIEF

I want to explore how environmentally friendly products are targeted toward individual consumers vs. sustainable system alternatives. Looking at the waste in laundromats, how can this shared community space be transformed into an area that makes sustainable alternatives monetarily accessible, with an emphasis on promoting less toxic laundry habits and a focus on creating a better community space.

Sustainable can be a large ambiguous term, but I want to focus on waste, and how to divert waste from landfills, with some consideration for the social and environmental impacts of its production. I wanted to explore systems or products that reward consumers in a community model to form environmentally friendly habits.

I want to convey that we are a part of Nature, not separate from it. Nature, by my definition is the earth's ecology that can support human life. The earth will continue after we are gone but the environment that allows for our sustained life might not. This focus will be physically portrayed within my project through material choices, color pallet, and waste diversion.



Research





RESEARCH PLAN : 6 week plan for success

Week 1

Discovery

- Visit 2 Laundromats
- Watch videos on Peoples Laundromat experiences
- Machines being used?
- Detergents being used?

Week 2

Discovery

- Visit 2 Laundromats
- Research LM accessories
- Research Laundry Detergent Brands.

Week 3

Planning

- Plan Questions to ask people about their laundry habits
- Iterate on areas of opportunity
- Plan co-creation opportunity

Week 4

Planning

- Create a Questionnaire to ask people about their laundry habits / finalize questions (launch)
- Iterate on areas of opportunity
- Plan co-creation opportunity

Week 5

Facilitate Co-design

- Cont. Conducting Survey
- Synthesize research into graphics
- Continue Opportunity Finding

Week 6

Analyze / Synthesize

- Analyze Survey Results
- Synthesize research graphically
- Continue Opportunity Finding



PRELIMINARY RESEARCH QUESTIONS

How do people pay for laundry?

- Most Laundromats use coins, but there are a growing number who have a card system. In a few locations you can use a debit card. Depending on the place Washing one average load is 2-3 dollars and Drying is a quarter for 10 min.

What services do Laundromats provide?



- This varies greatly by the laundromat. Most had at minimum Washers, Dryers, Folding Table, coin machine, and a sink.
- Many offer Laundry Carts, AC, Laundry Detergent vending, seating, vending machines, television, Drop Off Service.
- Some of the more rare services are Laundromat Cafes, Arcades, Computers with Internet and their own websites.

I found a few Laundromat Reviews on You-Tube. They were predominantly from middle-aged men looking to start a Laundromat business.

What are the byproducts of Laundry and laundry systems?

- Waste water
- Over-laundered clothes
- Air Pollution
- Laundry Detergent Bottles
- Dryer Sheet
- Dryer Lint
- Broken Washing/ Drying Machines
- Broken Laundry Baskets
- The other Sock
- Clothes damaged by improper washing
- All of your quarters

What are the Hours of Laundromats

- Most Laundromats are open 12 to 13 hours starting at around 7 or 8. There are a few 24-hour Laundromats, but its not especially common.

This Research is based off of countless Google Reviews, Descriptions, and photos of over a dozen Laundromats in the NY Area. I supplemented this with Laundromat You-Tube video reviews.

ETHNOGRAPHY FROM MY LAUNDROMAT VISITS

Kleen R Laundromat

I put all of my worn jeans in a small grandma cart and wheeled down the street to the Laundromat. It's cold enough to see my breath on the air, brisk and clear. The time is around 9 or so. I think I'm the youngest person out and about.

As I approach the Laundromat, the facade itself is completely windows. I can see there are quite a few more people than I was expecting for a Saturday morning. As I walk in I am met by the sound of machines and the smell of detergent. The floors and walls are all tile. The machines are all on raised platforms, making them easier to load. The only sound comes from people talking and the TV. I have all of my winter clothing on as I load the washer. It took quarters, but I really pushed them in, because sometimes it didn't register that I had put one in. I put in 2.75. The machines felt a little ancient. I could have purchased laundry detergent there, but I brought my own.

The owner was loading some of the wash and fold drop off stuff, when one of the customers started yelling at her that his clothes were wet after putting in 4 quarters into the dryer. He started yelling, and when she wouldn't dry his stuff for free, he stormed out, knocking over her folded clothes. And kicking over

some freshly washed laundry.

I helped her pick it up stuff from the ground. No one else said anything, or helped. There was a lady who was smoking outside, and came in, asking what happened. Turns out this guy always overloads the washer and dryers, and this wasn't the first time he's threatened her or gotten violent.

I sat at the front until my load was done sketching things I noticed, like how even though the clothes for pick up are in tube circular sacks, there the clothes inside are occupying a square, so she is able to stack them in a really efficient way. There was laundry that had been done and not picked up from more than 3 months ago.

Most people were either on their phone, reading books or watching TV. Some people drove with massive loads of laundry, while others had backpacks. When I first arrived, there were no white people, only black and Hispanic. After 10 or so, I started seeing some white men come in. The clientele was largely men, with some women in their 40s or older. I was the youngest patron. There were quite a few people folding their laundry, so they must have been there since they opened at 7.

I opted to line dry my jeans.

ETHNOGRAPHY FROM MY LAUNDROMAT VISITS



ENTRANCE



CAFE



DRYERS

Celsius Laundromat

It was quite a trek to get from Fort Greene to the Bedford L on a weeknight. With the L running every 20 plus minutes and sometimes skipping Bedford altogether. I opted for the bus, which took about 45 min. Once we got to the Laundromat around 8, it was very crowded. I was able to find a washer, and one of the ladies working there, maybe in her 60s helped me work the machine, and showed me where I could find free eco laundry detergent, as well as the \$2 scented detergent. I tried their Lavender essential oil eco laundry detergent while I perused their small shop. They sold Ecofriendly and sustainable laundry related products, as well as some snacks. While waiting for my load, which was only estimated to last 25 min, I pulled up my laptop in the Café and ordered some kombucha. They had free WIFI, so I sat down and did some work while waiting. I didn't totally feel comfortable there, it had kind of a pretentious vibe that I wasn't quite used to from a laundromat. The dryer (\$2) was a lot cheaper than the washer (\$ 8), totaling 10. Everything was very clean, and I felt comfortable folding my clothes on the marble folding table before leaving.

ETHNOGRAPHY FROM MY LAUNDROMAT VISITS



LAUNDRY ENTRANCE



BAR ENTRANCE



VENDING MACHINE

Sunshine Laundromat

I took the subway here. It's not too far from the station, but I don't think I would trek here with a full load very often. We went on a Friday night, and it was pretty packed when we arrived. In the entry there was a bunch of pinball machines, on top and around laundry machines. There were a few operating. The vending machine had a hilarious selection of merchandise, from snacks, Plan B, to the Holy Bible. Behind a "secret" speakeasy door, the bar and pinball arcade is revealed. The crowd comes in waves and is an emerging date spot. We ordered food and drinks. There were quite a few people outside doing their laundry, but I don't think I would go into the bar for a while with my laundry going for fear of people messing with it. I think it would be convenient if the Bar needed to do laundry for their bar towels.

QUESTIONNAIRE

After going to some different Laundromats, it gave me the incite to begin to focus my research. I was primarily interested in the community focus of Celsius Laundromat and Sunshine Laundromat. In these two instances these actives, Cafe and Bar-Cade provide supplementary income. One aspect of Celsius I thought was particularly successful was their focus on sustainable Laundry practices. I think that they have done great work in regards to working through how Laundromats can reuse waste from reusable containers, providing free bulk natural detergent, and selling sustainably focused products in their store.

Once completing my on-site visits and preliminary Laundromat research I wanted to start gathering my own data. I created a Google form sending it out to not only friends but through my networks on Facebook and Instagram. I was able to get over 75 responses which was really exciting.



Laundry - Senior Capstone Survey

Hi there! My name is Zoe Herring am a Pratt Institute Industrial Design Senior. My Capstone Studio aims to explore the intersections between shared spaces and community nourishment, in this case laundry. This survey will take less than 5 minutes, and will aid my preliminary research! If you want to stay updated on the project, I will have a question at the end of the form to input your email. All answers are anonymous. Thank you for your time!

* Required

The responses were vast and varied. A take away from this was how insightful people's written responses were. I think that multiple-choice is easier to quickly digest and quantify, but reading through everyone's responses were more helpful from my point of view. I think it allowed for more honest and thoughtful responses.

WHAT DO YOU DO WHILE YOU'RE WAITING FOR THE WASHER/DRYER

For these responses I sorted them and eliminated applicants. While I divided the responses into categories like “Relax, Food, Exercise, Work, Places, and Chores”. I found that people tended to primarily Work, Do Chores or Relax. These are all tasks that can usually be accomplished in piecemeal or accomplished quickly

There was a sense that people saw this as a time for productivity or to take a pause from their normal activities.

Relax

- hobbies
- Listen to music
- read, watch TV, play games
- on my phone
- nap
- Watch Netflix, social media
- Waiting around
- Catch up on a show
- watch films
- sit on my couch
- probably nothing
- Chill
- watch videos,
- Go on my phone
- play games on my phone

Food

- Get food
- Shopping at Trader Joe's!
- cooking
- shop ar daves
- Eat

Excercise

- excercise
- go to the gym

Work

- Homework
- work
- Work (I work at home).
- Activities of daily living
- Fill time duolingo

Places

- Go back up to my apartment
- Go back home
- Walk around the washateria

Chores

- Clean my room.
- Straighten up my room
- Clean my car
- Other chores
- Usually clean my house
- Vacuum, dishes,
- home arrands.
- Iron clothes
- Get the next load ready or
- fold the previous one
- house work, yard work,
- my consulting business
- shower
- bills

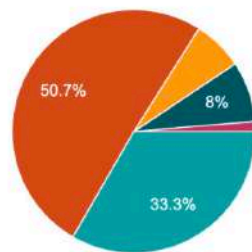
THANK YOU

This is Zoe Herring, I'm emailing you to let you know some of the interesting findings from the Laundry Survey you participated in! I wanted to thank all of you for your input and time.

SURVEY RESULTS!

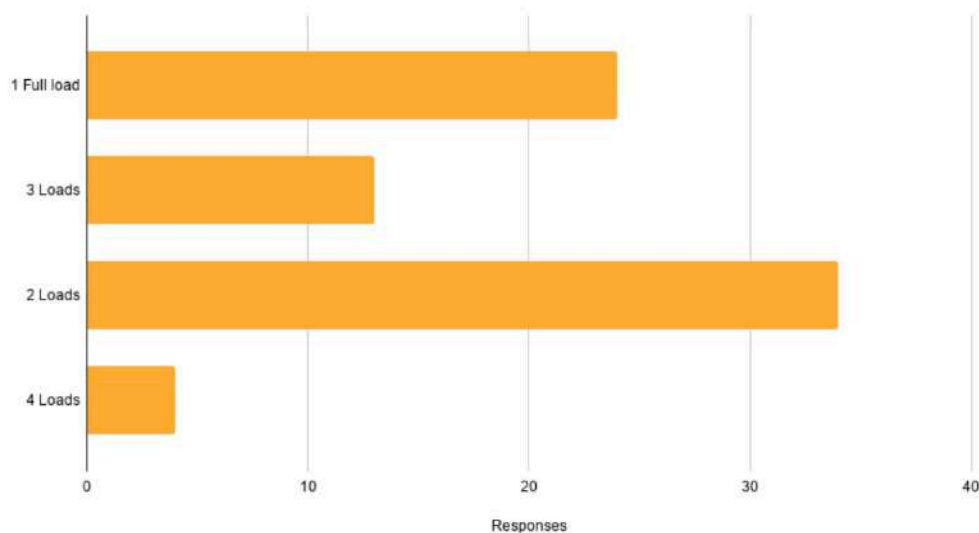
How do you dry your clothes?

75 responses



- Dryer
- Mostly in the dryer, and some hang dry
- Mostly hang dry, and some in the dryer
- Hang Dry
- Half-and-half

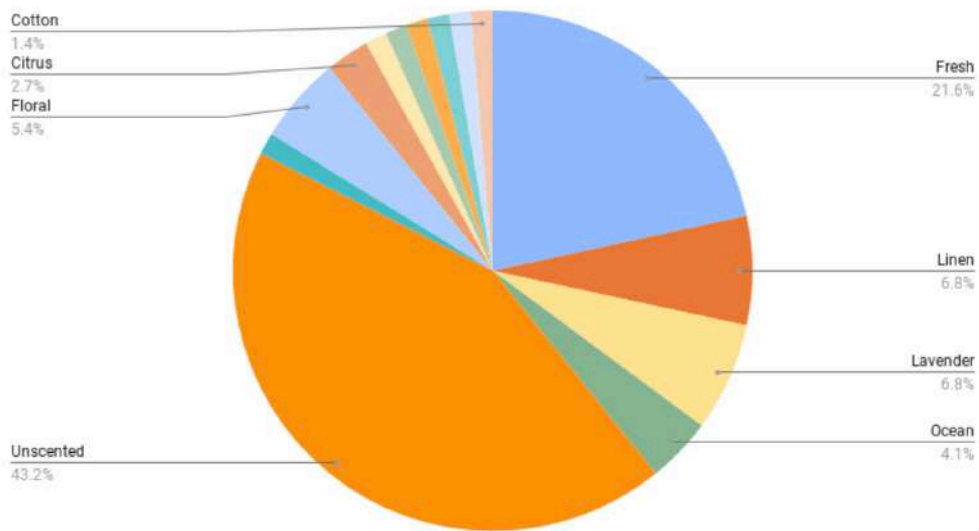
How much laundry do you usually do?



That's a lot of laundry!

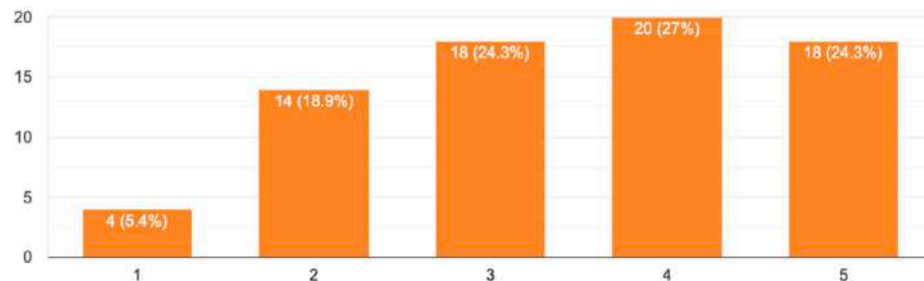
Most Americans do an average of 300 loads a year.

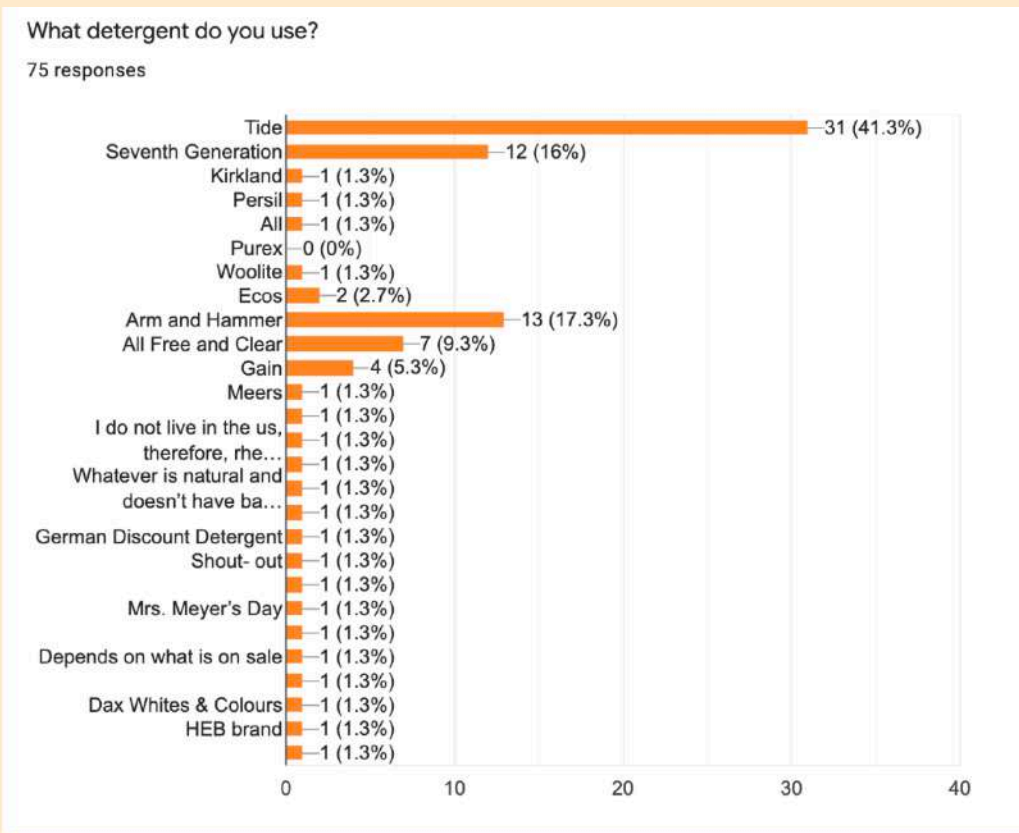
What does Clean smell like? (75 Responses)



How important is using eco friendly / sustainable laundry products for you?

74 responses





Each of these top brands give detergent in a liquid form within a plastic container. What are the sustainable considerations of this?

- Plastic Use
- Shipping weight (most of the detergent weight is water)
- Most Detergents are designed to work best in warm water; however, cold water detergents exist (90% of laundry energy is used heating water).
- Clothes tend to last longer when washed in cold water



Some of you said you would be interested in Laundromats Bars and Cafes, so I'm linking information on a few Laundromat Concepts you all might find interesting !

SUNSHINE LAUNDROMAT

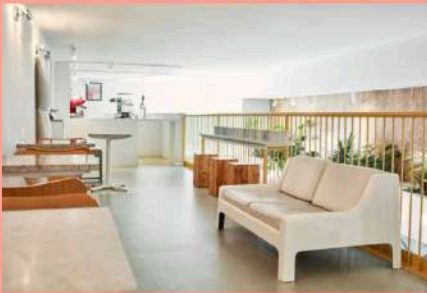


Sunshine Laundromat (Laundromat and Bar)

[Watch a Video about it!](#)

[Official Website](#)

Celsious



Celsious Laundromat (Laundromat and Cafe)

[Dezeen Article about it!](#)

[Celsious Official Website](#)

SPIN LAUNDROMAT

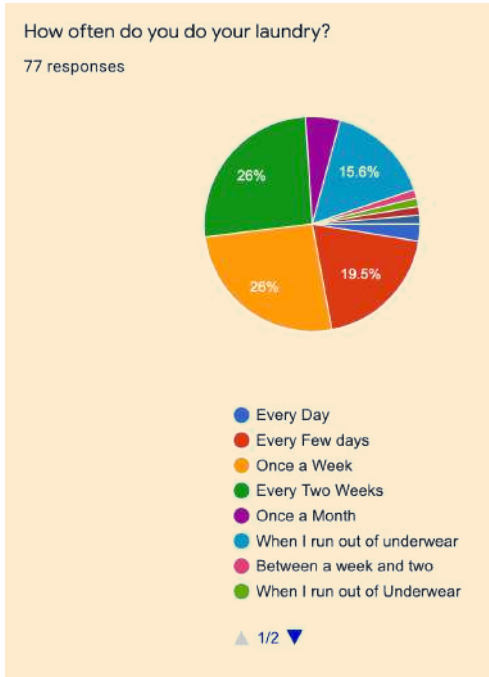


Spin Laundromat (Laundromat and Cafe)

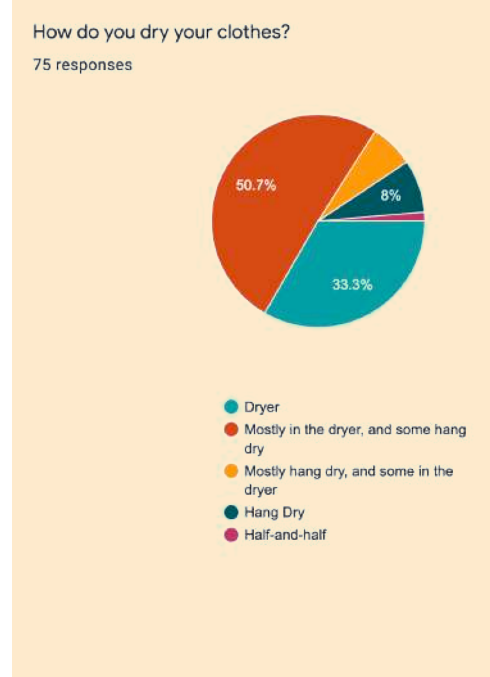
[Spin Official Website](#)

FINAL TAKE AWAYS

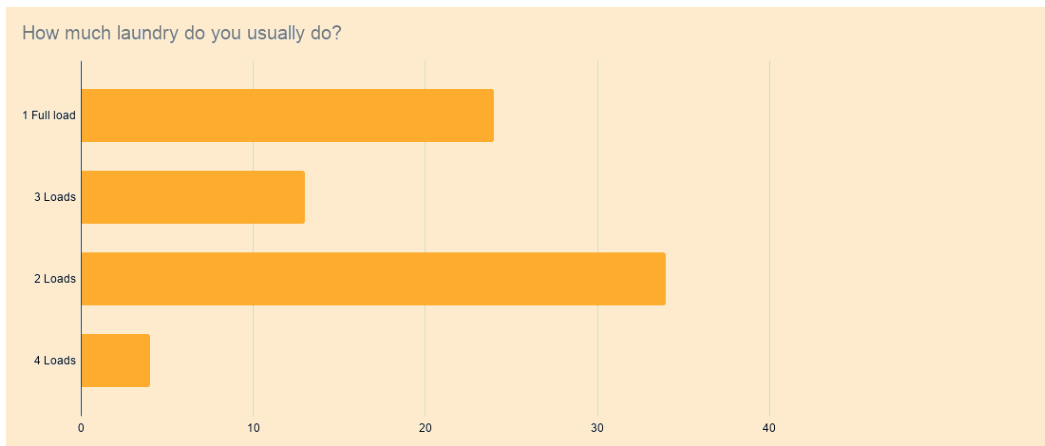
People wash their clothes
one or more times a month



People average 2 loads
each laundry cycle



92% of people dry their clothes



How much lint would that make?

7.9 Billion Sheets of Lint

**Made in the US
every year noncommercial**

What can be made with it?

I d e a t i o n





RESEARCH PLAN : 6 week plan for success



Direction 1 Sustainable Detergent

- Looking into how to design a Bulk Laundry Detergent System
- Designing a Reusable Laundry Detergent Container
- Looking at sustainability Liquid vs Powder etc



Direction 2 Laundromat Community Support

- Researching Organizations that link libraries to Laundromats to help with child Literacy
- NP that hosts Free Laundromat days for the homeless
- Yoga and Meditation classes



Direction 3 Material Research

- Look into the byproducts of Laundry like Laundry Lint
- How to guides to help people mend their clothing
- Chemistry of Laundry Detergents



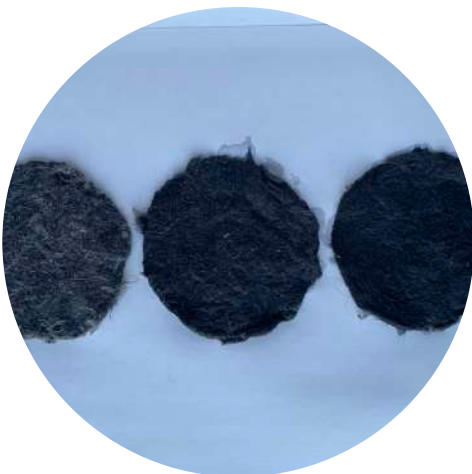
LINT RESEARCH



After receiving results from my survey I found that there were a lot of people who used dryers instead of hang drying. From this finding I wanted to look into finding a new way of processing lint, diverting this exponential waste.



I began collecting lint within my building and attempted different cold felting techniques. To collect lint I made a collection box and taped it to the trash can that had the most lint inside



I found that when I created sheets and folded them over and felted, this created the strongest felt, but the material lost its integrity after drying. The lint was easier to felt when I was able to extract a clean sheet instead of small pieces.

Adding paint added strength to the material and some rigidity. Adding mod podge created an extremely rigid and plastic material

LINT SAMPLES PRESENTED AT MIDTERM



#	Sheets/ Clumps	Laminated	Needled/ pressed	Warm to Cold	Paint /glue	Notes
1	S	Half then half	N			Strong, withstands pulling, nice rectangle
2	C->S	Folded	N			Strong but the clump connections are vulnerable Nice rectangle
3	C > S	Folded	N			Strong but layers delamination occurs
4	S	3 L	P	X		Deteriorated in water
5	S	3 L	N	X		Pretty strong for being so large, not as strong as the smaller samples
6	C/S/C	3L	F	X		Shrunk and separated after WC water
7	paste	Paste to screen	F			Didn't have a blender, falling apart
8	S	3L	N		P	Strong and Flexible

SELECTED FEEDBACK FROM MIDTERM PRESENTATION

“Dryer lint textile is a great direction. I think you should **focus on that as a tool to connect people!** It's an inherent part of the laundry process and it's great to **take advantage of an underutilized resource.**”

“**Maybe there is a way to learn something during the time you are doing laundry?** What can people gain during this time? Or like you said how can we give back to the community during this time? Maybe there is a community garden or something people can volunteer doing while doing their laundry”

“I love the idea of **utilizing the public space that is the laundromat as an opportunity for social connection.** Often in these kinds of public spaces, people are just trying to get their stuff done and leave but they are also spending a lot of time there so utilizing that time towards community growth is a great idea”

“It's just a small thing, but I used to work in an office of high-power suits where we had a puzzle and some colouring books in a communal space. It was surprising how much that simple thing encouraged a collective engagement, even if it was individually over different times. **Can there be something in a laundromat where people can contribute asynchronously?** Love the material samples.”

“**Changing the stigma around laundromats as a bad place into a place that benefits the community in some way is a great idea.** There's lots of down time and people don't want to be there. Creating an environment that gets people to engage willingly would be fantastic. I like the idea of some kind of workshop using lint that could be shared between those that help making it”

“**Could you somehow incorporate the lint in a way that is not flammable?** (because I know that's also a problem). I think there's a great area for material exploration with your project, esp with using a material that is normally just thrown away”

“**I really like the aspect of a community while at the laundromat,** as you know I go to laundromats myself to wash clothes and I normally stay there until its done but i rarely interact with other people”

COVID 19



In-person classes had been canceled. My best friend and I started Quarantine Studios. We met at 10 AM in work attire to work on our projects. We planned on staying in the dorms as long as possible and finishing the semester there. This photo was taken after we found out that we were being evicted from our dorms.



We had three days to move everything. I moved $\frac{2}{3}$ of my belongings to storage and abandoned raw materials and anything that I wouldn't bring to another apartment. While I was wearing my respirator around other people and in Ubers, I remember being really conscious of taking photos with our masks on because at that point the government was saying not to use them.



Saying goodbye to the studio as I grabbed what I needed to finish the semester. 24 hours after we got the eviction notice we were loading the storage unit on 2 hours of sleep. We didn't return the rental van until almost 10 pm that night. I was thankfully able to find homes for all but a few of my plants.



I packed two suitcases and some things and left. My boyfriend was coming up to NY to pick up his sister from Sarah Lawrence so he picked me up on the way. There was a fear of objects and people that I haven't felt in my life. I had the purell container in the water bottle spot of my backpack and would reapply after touching any public surface.

COVID 19

Since this pandemic has altered so much of our lives, Amanda encouraged me to document activities that I have been doing during this time to help me brainstorm on possible outcomes, or activities that people could do while waiting for their laundry.



COVID 19 - PROJECT SHIFT



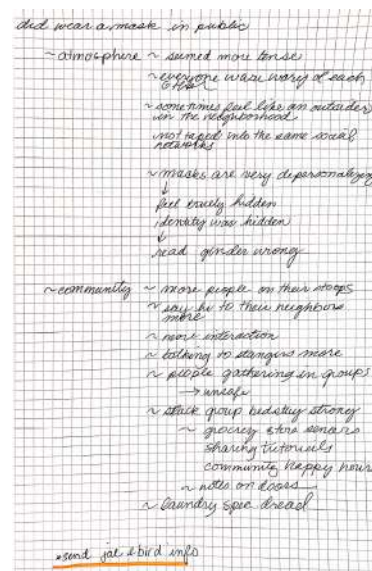
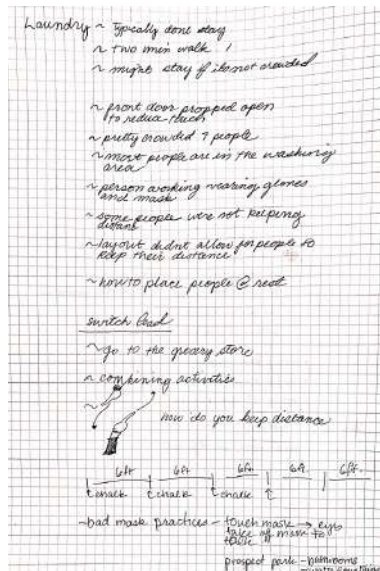
Developing lint as a material, and positioning it to support local laundromats in community efforts.

I began researching a variety of ways to process dryer lint. I wanted to see the extent of what I could do with this material.

Most of my sources were zero waste blogs and craft YouTube videos. It hasn't become an industrialized process.

I wanted to work on COVID Relevant projects, so I looked into the capabilities of lint being used as a mask-making tool or filter. The fibers seem to be too small, and washing damages it's integrity.

I reached out to Jae and interviewed them to see how Laundry going has changed during this time. I was curious to see what opportunities for creating pandemic safe Laundromat interventions, but I felt extremely removed from the issue. Since I'm not in NY using a Laundromat I feared my results would be speculative.



LINT PAPER RESEARCH



Top Row : Wax Treatment
Bottom Row: Lint Paper Samples

Top Row: Marking Tests
Bottom: Marking Tools

From L>R Column

All Lint

Material is soft and felt like
Does not have the same pull strength as felt

All Lint Wax

Dense
Delicate where folded
Would not work like waxed cotton

Wheat Paper lint

1 piece of paper, 2 cups lint, 1tbs flour 2 cups water
Rigid and plastic, brittle but strong
The coloring was nice, but where the tablets didn't break down there were splotches
Was the easiest to write on out of all of the paper samples

Wheat Paper lint Wax

Rigid, felt like denser card stock
Could operate as packaging

3-1 Paper -Lint

Paper came out consistent
Took well to everything, but the pencil definition was lacking

3-1 Paper -Lint Wax

Felt really nice and flexible
Could operate as packaging

1-1 Paper - Lint

Did not take to pencil, but the pens left a mark
Not as easy to write on as the 3/1 paper and lint hybrid

1-1 Paper -Lint Wax

Felt really nice and flexible
Could operate as packaging

LINT CLAY SAMPLES

Properties

Lint acts similarly to paper fiber, however, it has more elasticity when combined with materials like glue or paint. The lint materials soak up more and is more difficult to apply evenly

I tested applying the clay to an armature, placing inside a yogurt cup and outside another.



Armature

- Strong, weighty
- Shrunken and wavy surface



Inside cup

- Stuck to plastic
- Dried at the surface, keeping the under part wet
- After 2 weeks of not drying I pulled it out, several parts haven't dried and it came apart



Outside up

- Stuck to plastic, but I was able to bend the plastic away to get air into it
- It dried enough to remove after 2 weeks, but was damp
- I might try putting plastic wrap so I can pull the mold out and let it get leather hard to press
- It held its shape and was durable. Hard to get consistent walls so some parts are thin.

LINT PAPER RESEARCH

CLOTHING

LAUNDRY AND DRY

SOFT

FILLER

- QUILTING
- DECORATIVE PILLOWS
- CAT BED
- SMALL TOYS ART PROJECTS
- FILLER IN MASK?



NON-WASHING TEXTILE

- WELCOME MAT
- OUTDOOR TEXTILE
- WAX INFUSED COVER
- Coasters
- weed cover



Yarn



DRYER LINT

HARD

PAPER

- CARDS
- BOOKS
- RECEIPTS
- PACKAGING
- BOOK JACKET
- SCRAPBOOKING
- PAPER TOWEL

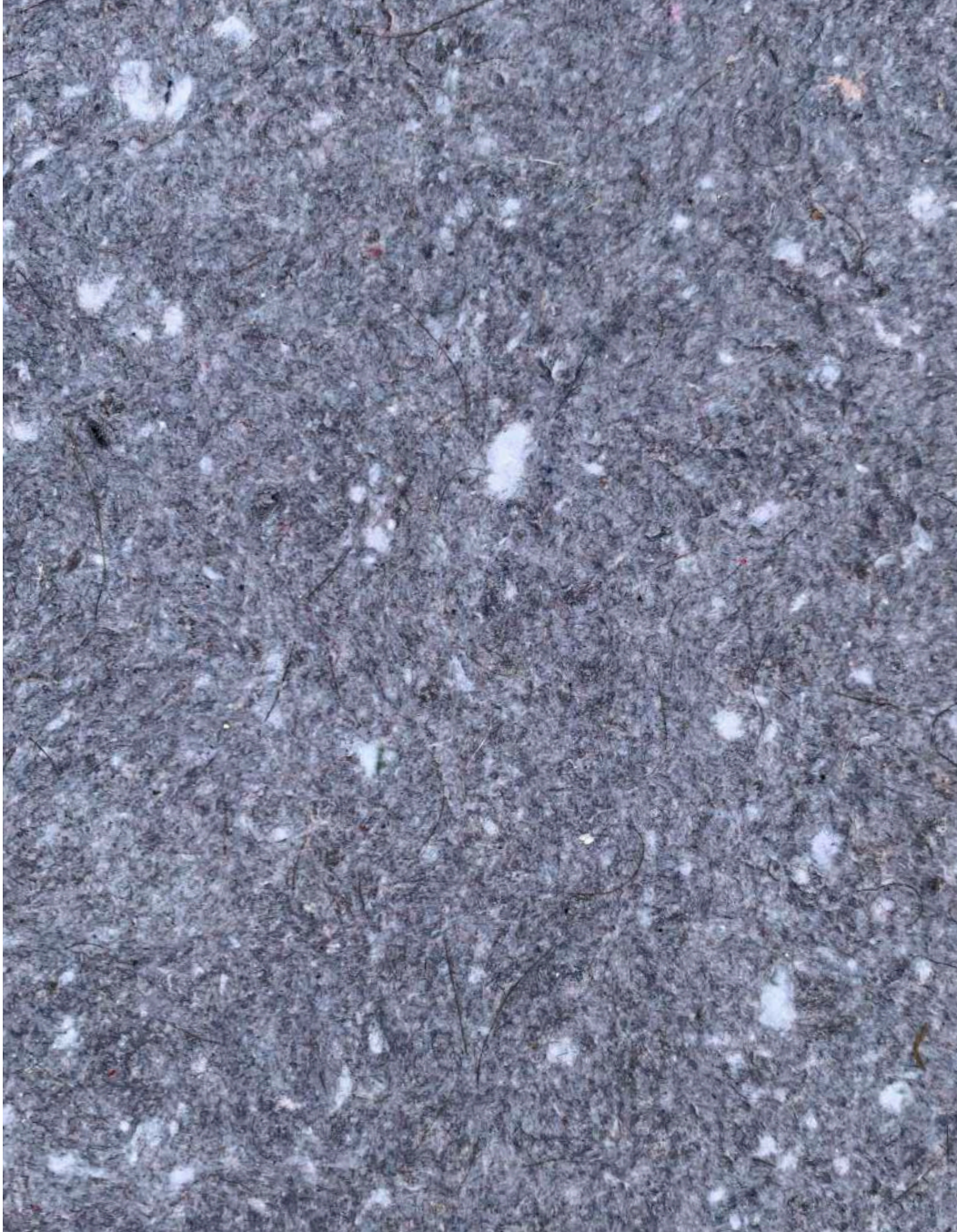


"CLAY"

- BOWL
- POT
- ORGANIZERS
- TILES
- SEED STARTER
- CHIP BOARD MATERIAL
- PACKAGING MATERIAL
- REPLACEMENT BUTTONS



Final Deliverables





RESEARCH PLAN : 6 week plan for success



Part 1

Material Research

- I created “How To” Cards to show others how to make with Lint. They cover a variety of Final Materials I explored in my research.
- Videos and How To’s can be found online as well



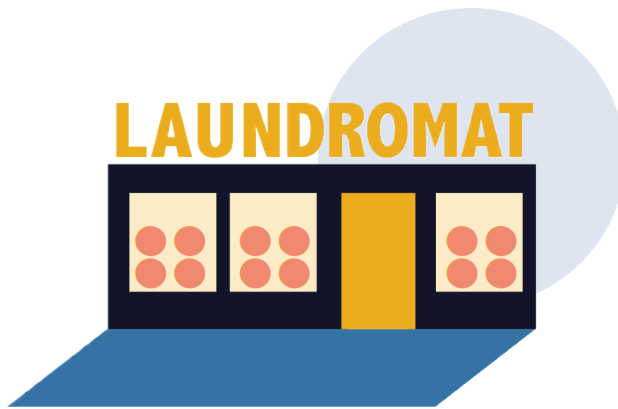
Part 2

Laundromat Intervention

- Considering the community of the Laundromat, I wanted my intervention to allow for community participation
- This project gives customers agency to sell products they make with lint, by providing a space to do so



WHY LAUNDROMATS ?



They are an essential business with high foot traffic that have boundless opportunity for Community engagement and a need for sustainability-focused action



People see laundry as a time and money suck. A dreaded but necessary bi-weekly ritual that we are all enslaved to.



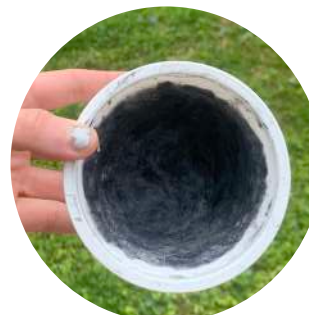
Each time, People sit for an hour and a half: waiting...

Mostly on their phones
Sometimes with a book



That's a lot of
Time and Dryer Lint

MATERIAL RESEARCH





MATERIAL RESEARCH CARDS



These cards would be located in the laundromat or distributed online to show people how to make with lint, and hopefully inspire and guide them to their own lint making research.



PAPER



FELT



WAX PAPER



CORD



CLAY



FILLING



PAPER

YIELDS :

1 Sheet of paper

TIME:

30 MIN

Overnight Drying

MATERIALS

Lint

Water

Scrap Paper

Window Screen

Picture Frame/ Cardboard

Staples/Duct Tape

Blender

Plastic Tray

Towel

Measuring cup

OPTIONAL

Dye/ Food Coloring/ Paint

Flour

STEP 1 : PREPARING YOUR SPACE



If you don't have a Papermaking Screen you can fashion one out of window screen by stapling it to a picture frame or using cardboard with encased in duct tape.

If you are using cardboard, make sure you completely seal the cardboard in duct tape, otherwise, it will get soggy.



Fill Plastic Tray with 4 inches of water. You want to be able to submerge your screen horizontally under the water so you can filter out the lint particles.

STEP 2 : BLEND THE LINT



Measure out 2 cups of dryer lint and add three sheets of ripped up scrap paper. If you want your paper to be more felt like, add less paper, if you want your paper to be really crisp add 1 tablespoon of all-purpose flour.



Blend the mixture thoroughly for 30 seconds.

STEP 3: MAKE THE PAPER



Pour the mixture into the tub and filter out a fine layer of material. If your mixture is too clumpy you can pour it directly onto your screen and push it around with your fingers. Make sure the flat part of the screen is facing up.

Then, flip the screen over onto a towel and let dry overnight. You can iron flat if desired.

WAX PAPER

YIELDS :
1 SHEET PAPER

TIME:
15 MIN

MATERIALS
LINT PAPER
(SEE PAPER SECTION)

IRON
PARCHMENT PAPER
WAX (SOY OR PARAFFIN)

STEP 1 : PREPARING YOUR SPACE

If you don't have an ironing board lay out a towel on the ground. Then fold a piece of parchment paper over 2 times the size of the piece then fold it in half.



STEP 2: WAX SANDWICH

Open your parchment paper and sprinkle a layer of wax, lay down the paper and then sprinkle wax. Imagine you are making a sandwich were your wax is the bread and your paper is the filling.

STEP 3 : IRON

Lay the parchment paper over the area you are ironing and iron the wax into the paper. Flip and repeat.

STEP 4 : COOL

Let the wax cool then it's ready to go!

WAX PAPER TESTS

Lint Felt, Lint/Flour/Paper, 1/3 Lint/Paper, 1/1 Lint/Paper



The marbling effect occurs when you crease the paper. Wax repels water so it adds water resistance.

CLAY

YIELDS :

1 CUP

TIME:

45 MIN

1 WEEK DRYING

MATERIALS

3 Cups Lint

2 Cups Water

2/3 Cup Flour

Measuring Cup

Stove Top

Pan

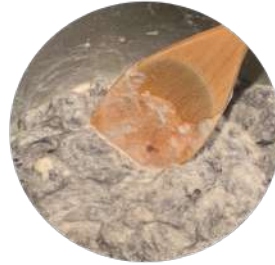
Wooden Spoon

Optional

Pipe Cleaners

STEP 1 : PREPARING INGREDIENTS

Mix together 1 cup of lint and Water in a saucepan over medium heat.



STEP 2: COOK THE SLOP

Sprinkle and stir in flour to that it doesn't clump. You will continue to mix until it gets a ge- like consistency.



STEP 3 : BUILD

Remove from heat and when it becomes cool enough to handle build away. You can press them onto the outsides of cups, or build up around an armature or skeleton built from pipe cleaners



STEP 4 : DRY

Walk away and forget about it! Sometimes it won't dry on the plastic, so you'll have to wait for it to harden enough to remove the plastic cup.

CLAY TESTS

If the walls are consistent you can even make a candle



FELT

YIELDS :

1 SHEET PAPER

TIME:

30 MIN

OVERNIGHT DRYING

MATERIALS

3 Cups Lint

2 Cups Water

2/3 Cup Flour

Measuring Cup

Stove Top

STEP 1 : PREPARING INGREDIENTS

Take sheets of lint and lay in a shallow tray



STEP 2:

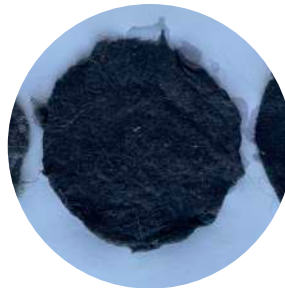
COOK THE SLOP

Add soapy water and begin needling the layers together



STEP 3 : BUILD

You can use a plastic fork, as long as the tip can pierce through all of the layers. You can hold the sheet in half for additional strength



STEP 4 : DRY

Let the pieces dry. If you paint the felt you will add additional strength. Additionally, you can mod-podge one side for a rubber rock surface.

FELT TESTS

Lint Felt, Lint/Flour/Paper, 1/3 Lint/Paper, 1/1 Lint/Paper



CORD

TIME:

15 MIN

OVERNIGHT DRYING

MATERIALS

1 Cups Lint

1 Cups Water

STEP 1 : PREPARING INGREDIENTS

Measure out about a cup of lint and submerge in water. This will help the lint begin to stick together.



STEP 2: Clump

Begin by taking a clump of web lint and rolling it back and forth between your index finger and your thumb. Until you pull a string out if it..



STEP 3: Wind

Fold in half and twist both ends in the same direction. The two pieces should begin to bind together.



STEP 4 : DRY

Walk away and forget about it! When you come back you should have a pretty strong cord for crafts. You can wax your cord as well!.

FILLING

YIELDS :
1 SHEET PAPER

TIME:
30 MIN
OVERNIGHT DRYING

MATERIALS
Lint Sheets
Fabric
Sewing Machine or Tools

STEP 1 : PREPARING INGREDIENTS

Find sheets of lint and begin stacking them up. I recommend stacking 5+ sheets for quilting.



STEP 2 : DIRECTION

Depending on the project and what you're stuffing, There are a few points you will want to keep in mind.

- Do not wash in a machine (quilting hold up better but not great)
- Quilting lint will make your sewing machine dusty so be warned.

STEP 3 : POUCH

Sew 3 sides of your casing. Flip right side out and fill with your stuffing. Now I've put in layers as well as just putting in clumps. The sheets work the best when you corrugate it.

~~~~~

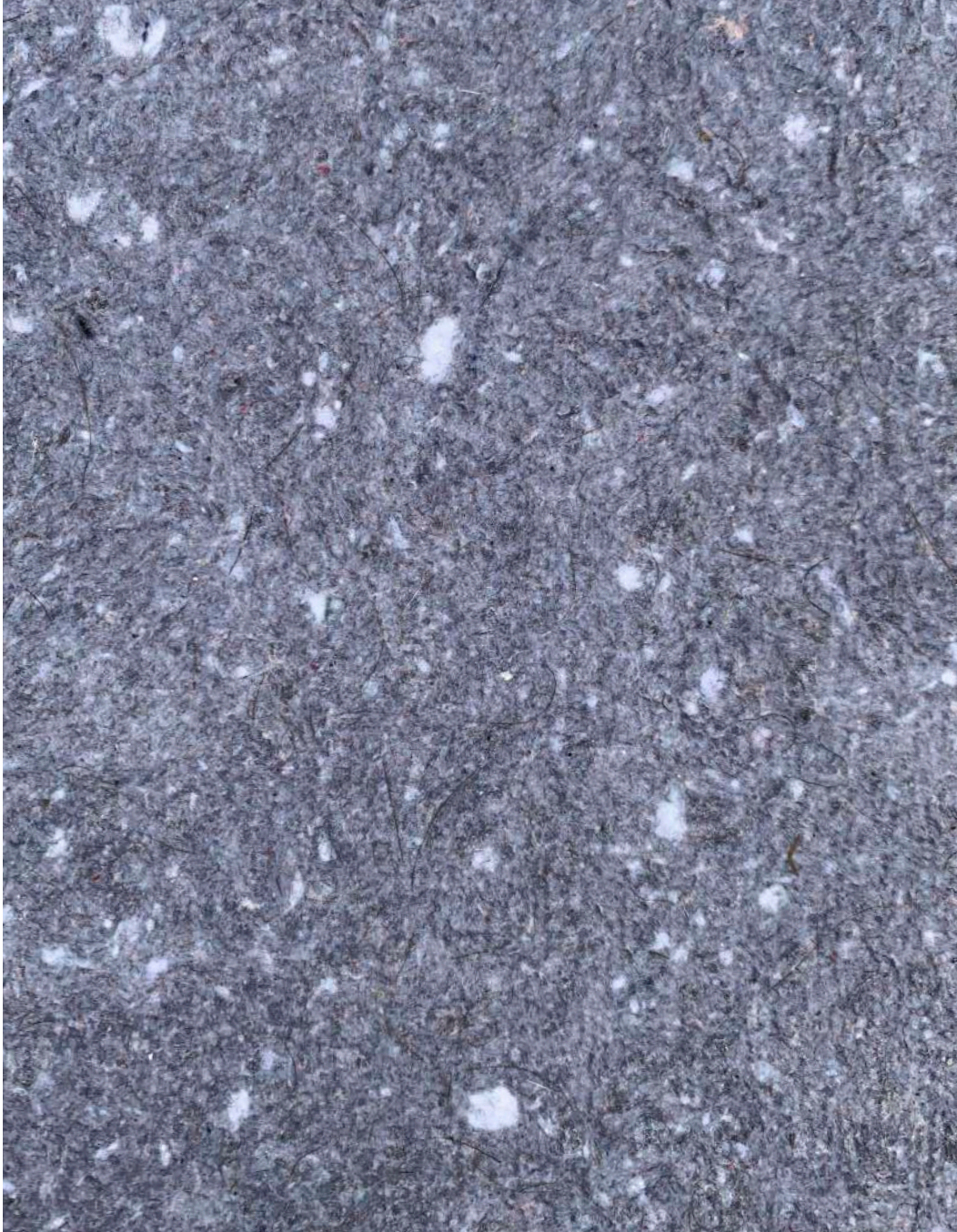
Make sure to sew the open edge and you're ready to go!

STEP 4 : QUILT

Create a pouch, instead of jamming in as much stuffing as possible, lay the sheets in flat and create volume with more layers.

Then plan your stitch pattern, make sure you sew the stuffing into place.

Laundromat System





LAUNDROMAT SYSTEM : PHYSICAL ELEMENTS



ADD LINT COLLECTION BOX

Simple boxes that bring people's attention to divert the lint to the box instead of the trashcan will start the collection process.



ADD INFORMATION

A stand with these info cards will be made available to customers. Those who create products with the Laundromats lint can sell their products at the laundromat.



ADD "STORE WINDOW"

A "store display" will be set up to allow people to see the products from the street. This also invites people to enter the laundromat who might not necessarily have entered before. This begins to bring the community and neighborhood together.

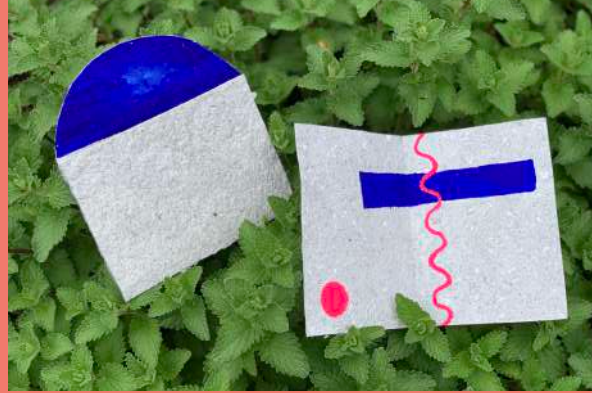
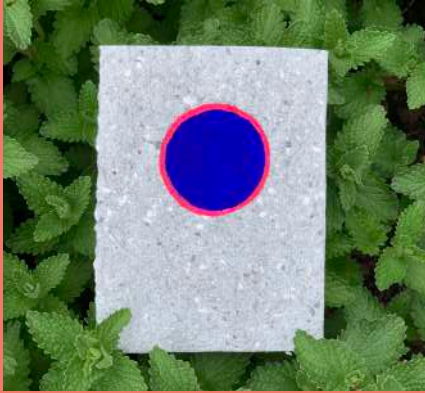


LINT MATERIAL STAND

This stand would be located at the front of the store in the window to draw in foot traffic, as well as to remind customers of lint making possibilities.



What would anyone want made out of lint?



CARDS



COASTERS



CANDLES

Here are a few!

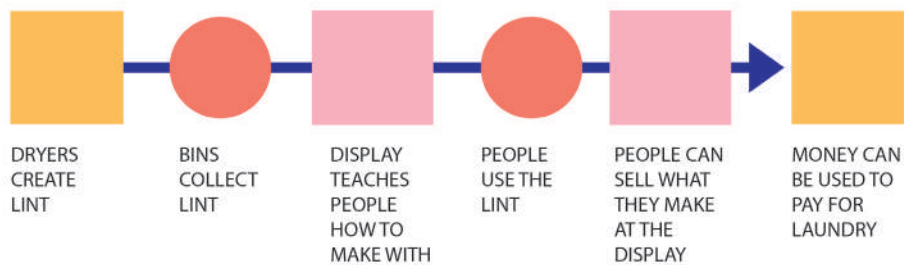
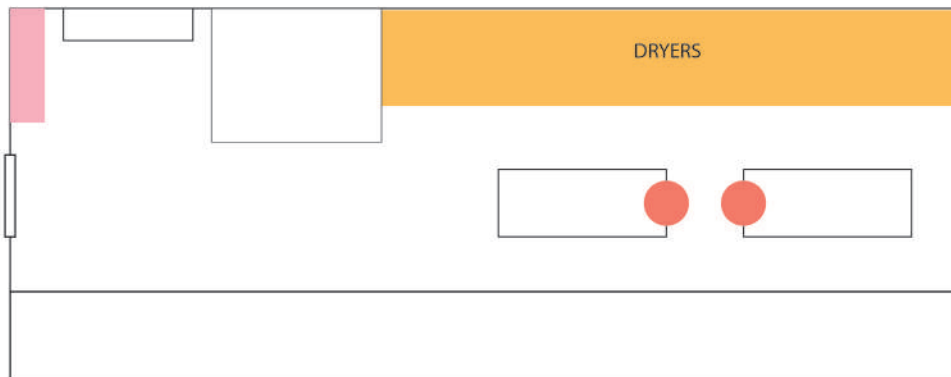
An illustration with a red background. At the top, a yellow-bordered square contains a dark blue cloud with two light blue horizontal bands. Below this, two stylized figures are shown from the back. The figure on the left is wearing a blue shirt and a dark blue vest, holding a light green pitcher with three horizontal yellow lines. The figure on the right is wearing a blue shirt and a yellow vest, holding a small white rectangular object with a grid pattern. The text 'THIS CREATES A CYCLICAL ECONOMY' is centered in white, serif, all-caps font across the middle of the image.

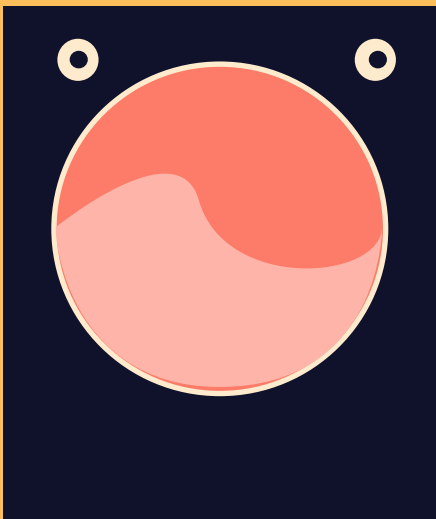
THIS CREATES A
CYCLICAL ECONOMY

Lint in Action



 LINT INFORMATION AND DISPLAY  LINT COLLECTION





So What?
What's in it for us?



WHAT DOES THE **LAUNDROMAT** GET?

People are cleaning the filters often to harvest lint
Clogged filters decrease dryer efficiency and put wear on the machine
Offers engagement with the community
Consignment fee of the products



WHAT DOES THE **COMMUNITY** GET?

Possibility to make a return on their laundry costs
Agency and opportunity to make additional income
Opportunity to support members of their community




WHAT DOES THE **EARTH** GET?


Diversion of waste to landfills!
If machines are up-kept they don't need to be trashed and replaced.


Thank You





Personal Resources


- 


5:26
- 2 


Random Laundromat Review
Laundromat How To / Coin Laundry How To
- 3 


I Go Into Laundromats and Review Them - Oliver Street Laundry
Michael Gersitz
- 4 

Laundromat Review: P & A Launderette (Leominster, MA)
georgef551
- 5 

Leominster: Keep it Clean Laundromat Review (Updated 3/19/2)
georgef551
- 6 

GOING TO A JAPANESE LAUNDROMAT & COLLECTING MY IVID
MrKenDenis
- 7 

Trying Out Wash and Fold Laundry Service
Dana K White
- 8 

Japan's laundromat truck
Pin Swede
- 

Best Laundromat Ever

CONTENTS



Human vs Nature Essay

Raw Laundromat Research

Raw Laundromat Survey Results

Bibliography

HUMAN VS NATURE

Nourishment in the Urban environment:

A society built on a separation

Between Human and Nature

A strong disconnect exists between what it means to be human and “nature”; rural and urban; farmland and city. Looking through a western lens, I want to explore this divide between what is nature and what is human and how it affects the way we consume, especially in urban environments. An extension on Raymond Williams’ essay, “Ideas of Nature”, I wonder why as humans we have created such a strong divide, between everything and ourselves. Nature in this way becomes something other than ourselves. It is infinite, bountiful and everlasting. There seems to be an inherent denial that we are a part of Nature, that we can destroy it. Usually it is perceived as something that needs to be separate for civilization to endure. In an essay by Marvin, Garry, “On Being Human in the Bullfight.” He looks at a Spanish city during a bullfight as a metaphor for how we allow “nature” to come into the city in the form of a bull and we as human conquer this beast. We enforce our reality upon this natural force. We see this in parks and designed landscapes. Is this contrived environment natural? The Human connection to the natural world suffers when we only see picturesque vignettes as nature. They are seen as aesthetic additions to our urban fabric but not much more.

If we are not a part of nature, when we

negatively impact nature, we hurting this large abstract. We are not affecting ourselves because we are not nature. We control nature in our designed environments, so therefore we do not see the brunt results of our collective decisions. They become photos of birds filled with plastic, forests on fire, or polluted water wades. These toxic byproducts are a result of the current mode of production. As humans we consume the products we create and then throw them “away”. This away is often into nature, poisoning the hand that feeds us.

As we continue to have more people, there is a powerful migration and consolidation of urban spaces. This poses a strain on agricultural structures. Due to climate change, there are droughts, floods, hot temperatures, and extremes. Consumers see this in a rise in prices for avocados, or a change in the type of banana. While these might be minor changes they signal larger issues at play. We as a society know there is a problem. How do we nourish the urban population?

Currently cities are not a place of agricultural output. For many, farm and city are two opposing concepts. Farms are generally considered rural and a waste of horizontal space in a compact city. However, this has not always been the historical precedent. For example in cities like Machu Picchu and Tenochtitlan, agriculture was a part of the urban composition. Even during WWII in the united states, there was an increase in locally grown food. The victory gardens were championed as a way to offset food shortages, and aid local economies. This is a striking contrast to today where New York state

where produce is imported. That means large cargo ships and 18 wheelers are shipping in food every day to thousands of grocery stores across the state. Each sourcing food from all over the world. On the up side, there are so many options to choose from that the prices are lower than they would be if everything was grown locally. In contrast, this produce has a massive carbon footprint because they have to be transported before they go bad, sometimes thousands of miles to most likely get thrown away or forgotten about in the back of someone's fridge. I don't think that any one product will fix this issue. But I do see how our separation from how food is produced exasperates the issue further. I would go as far as to say that the key to "saving the environment is to find a way to combat the separation between the Human the Natural. For me this topic is personal, because I came from a city that is highly affected by climate change. Living in Houston, there exists a diverse range of ecosystems and species. Many live isolated within the urban asphalt nest, removed from our own chosen environment. In the last 20 years, flooding has become a yearly disaster forcing us to see the effects of our endless consumerism first hand. We cannot seem to be bothered to save nature, but what if we are just saving ourselves? For a future project, I would want to look into how I can create a product that either combats the notion that humans are separate than nature? For this project to be a success I would want it to inspire people to take action to protect themselves and by extension nature. I would want the product to be constructed with its life cycle in mind, therefor also take into account its end of life.

This leads to so many possibilities for the future of integrating nature into the fabric of our urban manufactured environments as well as deconstructing some of our constructed

environments. I think that this connection can be made apparent through our connection with food, animals/local ecosystem, as well as a meaningful interaction with the things that we own. I foresee this project manifesting itself into units designed to educate people on future agricultural technologies. I see it finding its way into redesigning the grocery store and food distribution. I see it in ways of teaching people how to see food as a valuable resource. Reinforce respect toward other living, and promote habit preservation and rehabilitation. How can we consciously share our world again.

For my current semester project, I am researching how we can educate and proliferate aquaponics as a growing method in urban spaces to offset imported goods and promote self-sufficiency.

RAW LAUNDROMAT RESEARCH

Laundry Matt	STA	Pros	Cons	Payment	Prices	Hours	Location
Laundry City	3.9	Clean, 3 Sizes, parking area, free wifi, tables and chairs/benches, tv, food machine, AC, sell detergent, TV Show	Drying Machine takes a long time	Card, Cash Only		24 Hours	Brooklyn
New York City Laundry Mat	3.8	Games, AtM, Food Dispenser, Laundry Detergent Store	too expensive	Card, Cash Only	Dryer 7 dollars for 20 min	7-12	Brooklyn
On the Go Laundry NYC	4.7	Will come to pick up your laundry, competitive prices, manhattan only	Sometimes they Combine loads	Pay through app	1 lb		Manhattan
BKM Laundromat	4	Clean, prompt service, Sell detergent		Coins	7 dollars for everything	7-10	Manhattan
Laundry Mat Cafe	4.4	Clean, Polite, well priced, quick turn around		coins	3 dollar loads		
Daily Bubble Laundromat	4.2	Patio area, friendly staff, wifi, cold beverages, alterations	mainly geared toward drop off		Wash/ 3.25\$ and .25/7 minutes.		Lower Manhattan
Jie Li Laundromat	3.9		a lot of machines are broken, chemicals	Coins	\$8 for 1 to 8 lbs \$.70 for each additional lb \$2.00 additional charge for laundry over 16 lbs	8-8	china town
Sun Park Laundromat		Clean, plenty of machines	no sit in space	coins	\$4.50 for a large drum. \$2.50 for medium drum. No small. \$0.25 for 10 minutes of drying time.		china town

Tompkins wash and fold	4.6	Clean, plenty of machines, places to sit watch tv		coins	2.75 Medium wash, Dryer 35 for 7 min (usually takes 1 dollar)	7-9	
Joseph Laundromat	3.6	folding area, air conditioning	no seating,	coins	\$7.50 for a large load, \$5.50 for medium load and \$2.50 for small load		
Stuy Wash and Dry Laundromat	4.6	comfy seating, great staff, a lot of machines, plant-based soaps		card		8-8	
Marmy	3.6	Fast, clean, encouraging, 24 hours, community space, good service			2.50 and 9min 25		

Selection from Youtube observations

User	Video Name	Observations
M, 40+	Random Laundromat Review	1 table; couple of chairs; coke machine; 2 restrooms; no drop off service; washer knight good; 12 dryers; 16 top loaders; several were out of service
M, 30-40	I go into Laundromat and Review them "Oliver Laundromat" NY 14120	Safety - 2 door entrances, outside lights, streetlights; sink; folding tables; change machine; sells soap by the pod; 2.00 regular load; 8/12 Out of Service
M, 25-35	Laundromat Review P+A Laundromat	Change machines; front loaders; management in the building; wash basin; 10 dryers; folding table; seating
M, 25-35	Leominster: Keep it clean Laundromat Review	Automatic door; clean; new; sitting area; TV; bulletin board; soap center; 20 + dryers in many sizes; 20+ washers
F, 40-50	Trying out wash/fold	1 dollar a pound, seemed nice, 50 pounds is lighter than

RAW LAUNDROMAT SURVEY RESULTS

Laundry - Senior Capstone Survey 2

Timestamp	Please select the category that best describes you.	Where do you do your laundry?	How often do you do your laundry?	When you do laundry, how much laundry do you usually do? (in terms of Loads)	How do you separate your laundry?
2020/02/19 9:02:19 PM AST	18-25	in my apartment	When I run out of underwear	1 Full load	
2020/02/19 3:33:01 PM AST	18-25	in my building	Every Two Weeks	3 Loads	
2020/02/19 5:45:06 PM AST	45-65	in my home	Once a Week	3 Loads	
2020/02/19 8:08:40 PM AST	18-25	in my building	When I run out of underwear	2 Loads	I normally don't
2020/02/19 5:51:49 PM AST	18-25	in my building	Every Two Weeks	1 Full load	I don't 😊
2020/02/19 8:05:29 PM AST	18-25	At Post illegally cuz I'm cheap	Every Two Weeks	3 Loads	Whites, colors, sheets, towels
2020/02/19 8:10:27 PM AST	18-25	in my building	Once a Week	2 Loads	Dark/Lights
2020/02/19 8:12:15 PM AST	18-25	in my building	Once a Week	3 Loads	Color wash (dark and colors), hot wash (underwear), and items
2020/02/19 8:27:13 PM AST	18-25	in my home	Every Few days	1 Full load	Whites and colors
2020/02/19 8:28:03 PM AST	18-25	in my building	Once a Month	2 Loads	Colors and Whites
2020/02/19 8:33:41 PM AST	18-25	in my building	I will say three weeks	1 Full load	sometimes separate the light color ones and those dark ones
2020/02/19 2:43:29 PM AST	18-25	in my building	When I run out of underwear	2 Loads	by weight of fabric but I should really start taking the darker out because I have a few new pink shirts I don't ask for
2020/02/19 11:37:02 PM AST	45-65	in my home	Every Day	3 Loads	Whites, colors, bath/sports
2020/02/20 8:17:57 PM AST	18-25	in my building	Once a Month	2 Loads	Colors and Whites
2020/02/20 4:03:29 PM AST	18-25	Laundromat	Every Two Weeks	1 Full load	no separation
2020/02/21 5:25:19 PM AST	18-25	in my building	When I run out of underwear	2 Loads	Colors and white/cloths
2020/02/21 11:23:10 AM AST	45-65	in my home	Once a Week	1 Full load	By color (white vs everything else), delicates
2020/02/23 11:43:42 AM AST	18-25	in my home	Once a Week	2 Loads	Dark, brights, and white
2020/02/23 11:44:41 AM AST	45-65	Laundromat in my home	Every Few days	3 Loads	Whites/colours/delicates
2020/02/23 11:47:55 AM AST	18-25	in my building	Every Two Weeks	1 Full load	I don't
2020/02/23 11:53:51 AM AST	18-25	in my building	Once a Week	1 Full load	I do all of my clothes at one load and all of my bedding in a different load
2020/02/23 11:55:51 AM AST	55-65	in my home	Twice a week	1 Full load	Dark, whites, delicates, sheets & towels
2020/02/23 12:03:25 PM AST	18-25	in my building	Every Two Weeks	2 Loads	Whites and colors
2020/02/23 12:03:39 PM AST	25-30	in my building	When I run out of underwear	2 Loads	Whites and colors
2020/02/23 12:08:41 PM AST	18-25	in my building	Once a Week	2 Loads	Don't
2020/02/23 12:33:13 PM AST	18-25	in my home	Every Two Weeks	2 Loads	Whites and colors
2020/02/23 15:38:10 PM AST	45-65	in my home	Every Few days	3 Loads	Colors and type
2020/02/23 12:36:23 PM AST	50	in my home	Every Few days	2 Loads	Whites & lights, permanent press & germs, darks
2020/02/23 15:44:08 PM AST	25-30	in my home	Once a Week	1 Full load	Not at all :D
2020/02/23 12:03:04 PM AST	18-25	in my building	When I run out of underwear	4 Loads	Dark, dark lights, if it's a bright color it goes with my dark blues and blacks. If it's white, nude, or light pink it goes together.
2020/02/23 14:48:13 PM AST	30-45	in my home	Once a Week	1 Full load	Whites and colors
2020/02/23 14:48:17 PM AST	45-65	in my home	Every Few days	2 Loads	by color and by fabric type
2020/02/23 2:01:12 PM AST	65	in my home	Every Few days	1 Full load	Whites, darks and synthetics
2020/02/23 2:37:02 PM AST	18-25	Laundromat	Every Two Weeks	1 Full load	heavy duty / light clothing + pre-tinted/dark underwear
2020/02/23 2:41:31 PM AST	18-25	in my building	When I run out of underwear	2 Loads	Whites, lights, and delicates together, everything else is
2020/02/23 2:58:48 PM AST	18-25	in my building	Once a Week	1 Full load	I don't
2020/02/23 2:58:06 PM AST	18-25	in my home, in my apartment provided by the apartment	Between a week and two	2 Loads	I usually use color catchers, sometimes I separate the clothes by dark and light loads
2020/02/23 3:28:26 PM AST	18-25	in my home	Every Few days	2 Loads	By person (I do one load for SO's clothes, one load for mine)
2020/02/23 3:42:45 PM AST	18-25	in my building	Every Two Weeks	2 Loads	Whites and colors
2020/02/23 3:52:49 PM AST	50	in my home	Every Few days	2 Loads	By color always, by weight half the time
2020/02/23 4:06:01 PM AST	65	in my home	Once a Week	3 Loads	Whites, light colors, dark colors, sheets
2020/02/23 4:19:09 PM AST	50-65	in my home	Every Few days	3 Loads	Whites, as t-shirts and socks, one load with some sheet out, a load of non-colored towels, towels, cloths, darks as a load
2020/02/23 5:07:05 PM AST	18-25	in my home	Every Day	1 Full load	Sometimes separating by socks and regular clothes
2020/02/23 5:19:27 PM AST	18-25	in my building	When I run out of underwear	1 Full load	I do not lol
2020/02/23 8:45:23 PM AST	45-65	in my home	Every Two Weeks	2 Loads	Whites (not water or bleach) and darks (both wash)
2020/02/23 8:58:55 PM AST	45-65	in my home	Every Few days	2 Loads	1. Needs to be washed on "delicates" 2. Towels and whites 3. Everything else.
2020/02/23 8:18:07 PM AST	25-30	Coin Laundry	Once a Week	1 Full load	Sheets/Towels and Everything Else
2020/02/23 8:25:03 PM AST	65	Laundromat	Every Two Weeks	1 Full load	what
2020/02/23 8:33:56 PM AST	18-25	in my home	Every Two Weeks	1 Full load	No
2020/02/23 8:42:28 PM AST	18-25	Laundromat in my building	When I run out of underwear	3 Loads	I'm lazy I don't. Some stuff gets hung from the
2020/02/23 8:58:07 PM AST	65	in my home	Every Few days	1 Full load	By colors
2020/02/23 9:11:42 PM AST	45-65	in my home	Once a Week	2 Loads	Whites and darks
2020/02/23 9:18:02 PM AST	18-25	in my building	Every Two Weeks	4 Loads	Delicates and non delicates
2020/02/23 9:38:22 PM AST	25-30	Laundromat	When I run out of underwear	1 Full load	I don't
2020/02/23 10:29:00 PM AST	45-65	in my home	Every Two Weeks	4 Loads	Whites/underwear regardless of color, casuals, jeans and delicates
2020/02/23 11:23:01 PM AST	18-25	in my home	Every Two Weeks	2 Loads	By color (light colored clothes and the rest), by type of fabric (nylonwear, denim, and the rest)
2020/02/23 11:23:13 PM AST	40-50	in my home	Every Few days	2 Loads	Whites, pasties and darks
2020/02/24 1:25:05 AM AST	65	Condo - has 4 common laundry areas.	Once a Week	2 Loads	All goes in cold for washing. Many items separated that do not go in the dryer.
2020/02/24 1:33:31 AM AST	18-25	in my home	When I run out of underwear	2 Loads	Colors and whites
2020/02/24 2:13:52 AM AST	18-25	in my building	Every Two Weeks	2 Loads	Lights and darks
2020/02/24 9:00:25 AM AST	18-25	in my home	Every Two Weeks	1 Full load	Whites and Colors
2020/02/24 9:23:45 AM AST	18-25	in my building	Every Two Weeks	2 Loads	Darks and other/colors
2020/02/24 10:14:48 AM AST	18-25	in my building in my home	Once a Month	2 Loads	Colors and white
2020/02/24 11:55:05 AM AST	45-65	in my home	Every Few days	2 Loads	By person who wears the items
2020/02/24 12:02:22 PM AST	18-25	Laundromat, Coin Laundry	Once a Week	2 Loads	Delicates and towels/bedding
2020/02/24 2:10:22 PM AST	18-25	Laundromat, Coin Laundry	Once a Week	3 Loads	I separate heavy items like jeans and towels from lighter items then separate into multiple dryers at the laundromat.
2020/02/24 4:28:32 PM AST	18-25	in my home	Every Two Weeks	1 Full load	I don't
2020/02/24 11:15:40 PM AST	18-25	in my building	Once a Week	2 Loads	I don't (yet)
2020/02/25 10:12:09 PM AST	18-25	Laundromat	Once a Month	3 Loads	Don't ;)
2020/02/25 10:13:23 PM AST	18-25	Laundromat	Once a Week	1 Full load	I don't
2020/02/25 10:14:27 PM AST	18-25	Laundromat	Every Two Weeks	2 Loads	don't
2020/02/26 1:03:53 PM AST	18-25	in my building in my home	When I run out of underwear	2 Loads	Items who jeans, nice clothes, underwear
2020/02/26 10:52:24 PM AST	45-65	in my home	Once a Week	3 Loads	Colors, whites and delicates
2020/02/26 11:17:11 PM AST	45-65	in my home	Every Few days	2 Loads	By color
2020/02/26 12:04:01 AM AST	45-65	in my home	Once a Week	4 Loads	Whites, light to medium colors, darks to blacks
2020/02/26 1:28:02 PM AST	18-25	in my building	Every Few days	1 Full load	I don't
2020/02/26 1:21:04 PM AST	18-25	Dep. will service in my building	When I run out of underwear	1 Full load	I do not

How many times do you wash your clothes before you wash them?	How do you store your Laundry?	What detergent do you use?	How important is being eco friendly / sustainable laundry products for you?	What does "clean" smell like to you?
Amount depends on whether it's tops or bottoms		Tide		4 Doesn't smell like me, and is "fresh"
Amount depends on whether it's tops or bottoms		Tide Am and Hammer		5 Linen
Amount depends on the fabric		Seventh Generation		4 Lavender
Amount depends on whether it's tops or bottoms		Gain		3 Fresh linen or citrusy
Amount depends on whether it's tops or bottoms		Ecos		0 Like the zoo
Amount depends on whether it's tops or bottoms		Tide		2 Fresh Linen / Tide mixed with a Downy
Amount depends on whether it's tops or bottoms		I bought from the Green in Brooklyn store. They don't really have a brand I think. (It's me Gain -)		5 Very faint lavender smell and mostly just linen.
Amount depends on whether it's tops or bottoms		Arm and Hammer		4 Little to no body odor
Amount depends on whether it's tops or bottoms		Fels		5 It smells fresh. Pleasant smell.
Amount depends on whether it's tops or bottoms		Tide		2 Either no scent, or light warm scent.
4 days actually		Tide, anything I can get that is not so expensive, always liquid		2 The smell of detergent
Amount depends on whether it's tops or bottoms		drops		4 Just fresh or like nothing, I use unscented
Keep washing until it smells bad		I do not live in the US, therefore, the brands I use do not exist in the US.		0 Fresh smell
Amount depends on whether it's tops or bottoms		Tide		2 Either no scent, or light warm scent
Amount depends on whether it's tops or bottoms		Seventh Generation		3 Smells soft
Amount depends on whether it's tops or bottoms		Tide		3 A light fresh scent
Once		Tide Seventh Generation		4 Soap
Once		Tide Gain		3 Fresh linen
Once		Tide		3 Fresh with minimal added fragrance
Amount depends on whether it's tops or bottoms		All Free and Clear		5 Lavender
Amount depends on whether it's tops or bottoms		Tide		2 Lightly floral, maybe citrusy
Amount depends on whether it's tops or bottoms		Tide		3 You can smell the detergent. Also no body odor is detected if I've worn it once already.
Amount depends on whether it's tops or bottoms		Arm and Hammer		3 Fresh smelling, imagine if they made a freshly cut grass tea pod.
Amount depends on whether it's tops or bottoms		Arm and Hammer		3 Not sweet
Amount depends on whether it's tops or bottoms		Tide		1 Detergent
Amount depends on the fabric	Laundry Basket	Tide		3 Flowers
Amount depends on whether it's tops or bottoms	Laundry Basket	Arm and Hammer		4 Fresh
Amount depends on whether it's tops or bottoms	My hands	Arm and Hammer		4 Fresh, but no discernible scent.
Amount depends on whether it's tops or bottoms	Laundry Bag	Green Discount Detergent		4 Not soapy or stale. Fresh, distinctly like detergent
Amount depends on whether it's tops or bottoms	Laundry Bag	Tide		3 Either laundry detergent or not soapy with other smells
Amount depends on whether it's tops or bottoms	Hamper	All Free and Clear		4 No smell of soap or f.o., prefer the fresh linen scents or unscented detergents
Amount depends on whether it's tops or bottoms	I stuff everything into a shirt or pillowcase which also hold washing	Arm and Hammer		4 No bad smell. I don't like what adds fragrance to perfumescents
Amount depends on whether it's tops or bottoms	My hands	Tide		3 Slight floral scent and like it hung on the line.
Keep washing until it smells bad	Laundry Bag	Seventh Generation		3 Lavender... non-scent detergent too.
Amount depends on whether it's tops or bottoms	Laundry Basket	Ecos		5 Something not too strong and fragrant, but fragrant enough to cover up the smell of the rusty laundry water / citrusy citrus & light floral scented
Amount depends on the fabric	Laundry Bag	Arm and Hammer		1 Any detergent really.
Amount depends on whether it's tops or bottoms	Hamper	Tide pods		3 Odorless
Amount depends on whether it's tops or bottoms	Hamper	All Free and Clear/Mrs. Meyer's Day		3 Fresh
Amount depends on whether it's tops or bottoms		Arm and Hammer		3 Fresh smelling, imagine if they made a freshly cut grass tea pod.
Amount depends on whether it's tops or bottoms	Laundry Basket	Tide All		0 Like laundry line dried on a sunny day
Once	Hamper	Gain		2 Mellow spring sunshine
Amount depends on whether it's tops or bottoms	Laundry Basket	Thru Shout-out		2 Refreshing
Amount depends on whether it's tops or bottoms	Laundry Basket	Arm and Hammer		3 Sometimes "detergent" smell but mostly just no scent
Amount depends on whether it's tops or bottoms	Laundry Bag	All Free and Clear		4 No smell / not soapy
Keep washing until it feels dry	Laundry Basket	HEC citrus		2 Sunshine, flowers
Amount depends on whether it's tops or bottoms	Laundry Basket	Tide		2 Neither a smell of body odor, nor a smell of chemically-performed cleaners. Anything in between is fine with me.
Amount depends on whether it's tops or bottoms	Laundry Bag	Seventh Generation		5 Nothing. The void.
Amount depends on whether it's tops or bottoms	Laundry Bag	All Free and Clear		5 Unlike it smelled before
Keep washing until it smells bad	Hamper	Tide		2 Detergent sea
Amount depends on whether it's tops or bottoms	Hamper	Seventh Generation		4 Citrus and sweet
Once	My hands	Tide		4 Like lavender
Amount depends on whether it's tops or bottoms	My hands	Mrs. Meyer's and Pink Solution		5 No smell or the essential oils I add to the laundry
Amount depends on the fabric	Laundry Basket	Tide All Free and Clear-Gain		4 Not dry...
Depends on fabric and smell	Laundry Backpack	Something that the laundry that provides		5 Not dry.
For tops, it depends on activity, pants, especially are worn several times, and underwear is worn only once (most of the time)	Laundry Basket	Depends on what it is on		4 The fragrance from the detergent. Fresh.
Amount depends on the fabric	Laundry Basket	Moss		4 Floral undertone, Cotton
Keep washing until it smells bad	My hands	Seventh Generation		5 Citrus or light, natural scent
Amount depends on fabric and usage	Hamper	Whatever I have coupons for		4 Lavender
Keep washing until it smells bad	Hamper	Whatever is natural and doesn't have bad chemicals.		5 Clean linen
Amount depends on the fabric	Laundry Bag	Tide		3 Fresh air
Amount depends on whether it's tops or bottoms	Laundry Bag	Das White & Colors		2 Scentless
Amount depends on whether it's tops or bottoms	Hamper	Seventh Generation		4 Something nice, probably light floral or herbal, maybe like mint
Amount depends on whether it's tops or bottoms	Laundry Basket	Seventh Generation		5 Detergent. Lavender. Dryer sheets. Lots of things.
Amount depends on whether it's tops or bottoms	Laundry Basket	Seventh Generation		5 Fresh, but not perfumed or laden with chemical fake smells
Amount depends on the fabric	Laundry Bag	Tide Seventh Generation		4 No smelly scents
Amount depends on whether it's tops or bottoms	Laundry Basket	Tide		2 Little smell of the laundry detergent.
Amount depends on whether it's tops or bottoms	Laundry Bag	Tide Am and Hammer		3 "soapy breeze"
Amount depends on whether it's tops or bottoms	Laundry Bag	Tide		2 Scentless
Once	Laundry Bag	Arm and Hammer		1 Detergent
Amount depends on whether it's tops or bottoms	Laundry Bag	Tide		2 Not gross.
Amount depends on the fabric	Laundry Bag	Tide		1 If someone tells me I smell
Amount depends on whether it's tops or bottoms	Laundry Bag	Tide		4 That "clean breeze" "fresh laundry" smell
Amount depends on whether it's tops or bottoms	Laundry Basket	Tide Woods All Free and Clear		4 Lots smell of flowers
Amount depends on whether it's tops or bottoms	Hamper	None		5 No detectable odor
Amount depends on whether it's tops or bottoms	Laundry Basket	Seventh Generation, Arm and Hammer		4 No odor
Amount depends on whether it's tops or bottoms	Laundry Basket	Tide		4 Fresh linen or gentle scents like lavender
Once	Laundry Basket	Tide, Purley, Gain		2 Flowers

RAW LAUNDROMAT SURVEY RESULTS

How do you dry your clothes?	Do you use Dryer Sheets?	What do you do while you're waiting for the washer/dryer cycle?	Do you ever do Laundry with friends ?	Have you ever been to a Laundromat?	How do you feel about Laundromats?
Hang Dry	No	Lay in bed or clean around the house depending on the day and how busy I am	Once	Yes	I haven't been to one in years but I remember it being nice and quiet when I went. Small and sturdy sometimes though
Mostly hang dry, and some in the dryer	Yes	Work, or I'm on my phone	Sometimes	Yes	I like them, but it's expensive
Mostly hang dry, and some in the dryer	Yes	Clean house	Never	Yes	Dirty, run down,
Dryer	Yes	Watch TV	Sometimes	Yes	I'm ok with them, don't really have an opinion
Mostly hang dry, and some in the dryer	No	Usually clean my house	Once	No	Love them
Mostly in the dryer, and some hang dry	No	Watch tv	Sometimes	No	Some can be really gross and I'm worried about people taking my clothes out and putting them on the floor
Mostly in the dryer, and some hang dry	Yes	I either do work or watch Netflix. Sometimes I run errands.	Once	Yes	I think they're really interesting spaces. I wish it was more of a community meeting place but the times we live in have stigmatized talking to strangers or meeting people in public spaces so I don't think that will be possible anytime soon. They always remind me of 80s movies, in a good way.
Mostly in the dryer, and some hang dry	No	Homework or hobbies	Never	Yes	I love them!! Kind of weird spaces, but they're interesting places to hang out
Hang Dry	No	Whatever it is I'm doing at home. Depends.	Never	No	No opinion.
Mostly in the dryer, and some hang dry	No	Go on my phone	Never	No	aesthetically pleasing
Dryer	Yes	remember the time and go back to my room and do my things	Never	No	expensive? (I never used it before because having laundry machines back home, and now laundry room in school)
Mostly in the dryer, and some hang dry	No	go back to my room and nap or do homework	Sometimes	Yes	I like them (when they are clean) but it always feels like a whole day event and I would rather have it in my building or home
Mostly in the dryer, and some hang dry	No	I either go to the gym or just do my home errands.	Never	Yes	Neutral
Mostly in the dryer, and some hang dry	No	Go on my phone	Never	No	
Dryer	Yes	Listen to music. Eat. Fill time	Sometimes	Yes	
Mostly in the dryer, and some hang dry	Yes	Homework or chores	Never	No	
Mostly in the dryer, and some hang dry	No	Work or watch tv	Never	Yes	
Dryer	No	Get the next load ready or fold the previous one	All the Time	Yes	
Mostly in the dryer, and some hang dry	Yes	Activities of daily living	Never	Yes	
Mostly in the dryer, and some hang dry	No	Class work	Never	No	
Mostly in the dryer, and some hang dry	No	I'll do work or straighten up my room	Never	Yes	
Mostly in the dryer, and some hang dry	Yes	Clean, or watch tv	Never	Yes	
Dryer	Yes	Clean my room.	Never	Yes	
Dryer	No	Chill	Sometimes	No	
Mostly in the dryer, and some hang dry	Yes	Go back up to my apartment	Never	Yes	
Dryer	No	Work / eat / chill	Once	Yes	
Mostly in the dryer, and some hang dry	Yes	Tv	Never	Yes	
Mostly in the dryer, and some hang dry	Yes	Other house work, yard work, my consulting business - in no particular order	Never	Yes	
Hang Dry	No	Studying, watch films	Never	Yes	
Dryer	Yes	Clean my room, watch videos, sometimes homework.	Once	No	
Hang Dry	No	Netflix or cook dinner. Sometimes both	Never	Yes	
Hang Dry	No	other things that need attention around the house.	Never	Yes	
Mostly in the dryer, and some hang dry	Yes	Vacuum, dishes, read, watch TV, play games	Never	Yes	
Mostly in the dryer, and some hang dry	No	Clean my car	Sometimes	Yes	
Mostly hang dry, and some in the dryer	Yes	sleep, shower, cook, or watch videos	Once	Yes	
Dryer	No	Catch up on a show	Never	Yes	
Dryer	Yes	Homework, read or play games	Never	No	
Mostly in the dryer, and some hang dry	Yes	iron clothes or work	Never	No	
Dryer	Yes	Clean my room.	Never	Yes	
Mostly in the dryer, and some hang dry	Yes	other tasks at home	Never	Yes	
Mostly in the dryer, and some hang dry	Yes	Cleaning or cooking	Never	Yes	
Dryer	Yes	Read and or watch TV	Never	Yes	
Mostly in the dryer, and some hang dry	No	Chores, errands, etc	Sometimes	Yes	
Dryer	Yes	Go to my room to do homework	Sometimes	No	
Mostly in the dryer, and some hang dry	Yes	Other household duties or watch TV	Never	Yes	
Mostly in the dryer, and some hang dry	No	Work (I work at home)	Never	Yes	
Mostly in the dryer, and some hang dry	Yes	Shopping at Trader Joe's!	Sometimes	Yes	
Mostly in the dryer, and some hang dry	No	dueling or shop at daves	Sometimes	Yes	
Dryer	Yes	Work	Never	No	
Mostly in the dryer, and some hang dry	No	Get food or walk around if at the laundromat.	All the Time	Yes	
Mostly in the dryer, and some hang dry	Yes	Watch tv, read, chores	Never	Yes	
Mostly in the dryer, and some hang dry	No	Housekeeping	Never	Yes	
Mostly in the dryer, and some hang dry	Yes	Anything? Cook.	Once	Yes	
Mostly in the dryer, and some hang dry	No	Go back home	Never	Yes	
Dryer	Yes	Watch TV or other household chores	Never	Yes	
Mostly in the dryer, and some hang dry	No	Homework, other chores	Never	No	
Dryer	Yes	Cook	Never	Yes	
Mostly in the dryer, and some hang dry	No	Laundry room is close at hand. Can return to my unit.	Occasionally at friends' home.	Yes	
Mostly hang dry, and some in the dryer	Yes	Anything to kill time. Maybe hang up the clothes that wasn't put in the dryer.	Once	Yes	
Dryer		Homework or TV	Once	Yes	
Mostly in the dryer, and some hang dry	No	I go out and do stuff? Whatever I had planned for that day.	Never	No	
Mostly in the dryer, and some hang dry	Yes	Homework	Once	Yes	
Mostly in the dryer, and some hang dry	Yes	Chores/ work	Once	No	
Dryer	Yes	Everything I can	Never	Yes	
Mostly in the dryer, and some hang dry	No	Read a book for play games on my phone	Sometimes	Yes	
Dryer	Yes	Read a book or walk around in the area of the wastetaria	Never	Yes	
Dryer	No	basically anything else -- other chores; I also work from home so I usually do laundry while I'm "at work"	Once	No	
Dryer	Yes	Homework or exercise	Never	No	
Dryer	Yes	Daydream	Sometimes	Yes	
Dryer	Yes	Go home	Sometimes	Yes	
Dryer	No	probably nothing. sit on my couch.	Sometimes	Yes	
Dryer	No	Watch netflix, social media, waiting around	Sometimes	Yes	
Mostly in the dryer, and some hang dry	Yes	Watch tv	Never	Yes	
Hang Dry	No	Other chores	Never	Yes	
Half-and-half	Yes	Other housework chores or bills	All the Time	Yes	
Dryer	Yes	Class work	Never	No	
Dryer	No	eat	Once	Yes	

Describe a typical laundromat and it's users	Where have you experienced Laundromats?
<p>Not fully functional. It's typically a small, semi dirty hole in the wall with washing machines and dryers. I usually see a pretty diverse group of average people. Depressing. Unhappy to be there.</p>	<p>Bled study Brooklyn HOUSTON</p>
<p>Older folks with kids/college students</p>	<p>Houston</p>
<p>Eclectic, interesting people. Efficient b/c you can do several loads at once</p>	<p>Houston (Graustark) and while vacationing</p>
<p>Rows and stacks of washing machines/dryers, some of them usually broken, mine played a Spanish language radio station and was mostly used by Latina women</p>	<p>New York</p>
<p>Normally you'll see people that live in apartments that don't have in unit washer and dryers. The diversity of people depends on the location of the laundromat.</p>	<p>In my hometown with my mom washing blankets that our dogs used.</p>
<p>Kind of like being on the subway with others. We're there for a reason and it's not to socialise.</p>	<p>Houston</p>
<p>sad :(</p>	<p>Literally never :)</p>
<p>Young people or people with lower income</p>	<p>PA, GA, NY, NJ, and some other states I'm forgetting</p>
<p>Crowded and dirty</p>	<p>Houston</p>
<p>Loud and unclear</p>	<p>Austin and Houston, TX; Virgin Islands</p>
<p>People who don't have home or apartment laundry facilities or that need larger machines than home appliances can handle.</p>	<p>Wuhan, Beijing, New York</p>
<p>Wierdy nostalgic, urban (I had never seen a laundromat before I moved the city). Like a waiting room at the train station without the trains</p>	<p>Seen them around in the city, considered using them instead of what's available on campus.</p>
<p>Normal people that need to get laundry done and don't have the machines in building. Not as clean as a floor/building specific set of machines, but much needed.</p>	<p>NYC, Providence, and San Diego</p>
<p>NYC is different than other places I've lived. Here is just about anyone in the neighborhood. Usually rows of stainless steel dryers and white/beige washers, with card operated machines</p>	<p>Update NY in Sullivan county, where we don't have laundry machines at home</p>
<p>large and clean space with many machines of different capacities. Users are local upstate residents.</p>	<p>Across the country while on vacation, locally while living in an apartment or needing to wash large items, for a client in a bad part of town</p>
<p>Runs the gambit of families, kids running wild or being made to sit quietly, drunks, suspicious/fearful people, stinky people, lovely people</p>	<p>Houston and Austin TX</p>
<p>Mostly lower class people, occasional young upper middle class people.</p>	<p>Bled-study</p>
<p>Mostly people of color, smells overwhelmingly like dryer sheets</p>	<p>Inner city where apartments don't typically have a washer and dryer</p>
<p>It varies with what neighborhood you're in. I've never been to one</p>	<p>N/A</p>
<p>Not super clean, not super secure</p>	<p>Houston</p>
<p>Kind of like being on the subway with others. We're there for a reason and it's not to socialise.</p>	<p>IN & AZ while waiting to move into our houses</p>
<p>Busy, and loud--users are all types of people</p>	<p>Near my home, on vacation</p>
<p>Timesaving, large loads, social</p>	<p>In Austin area</p>
<p>Several washing machines and dryers, sites usually dingy</p>	<p>Houston</p>
<p>Mostly quiet, warm most people don't really interact</p>	<p>Large, dense cities</p>
<p>People without a laundry machine in their home/ apartment</p>	<p>As a child and when I lived in an apt. In Houston</p>
<p>Younger, can't afford own WD or live in apartment.</p>	<p>In my neighborhood? Several cities in Texas? I don't really understand the question.</p>
<p>It's big, it's warm. People are focused on their task, and usually read or do stuff on their phone while they wait. I've never used a laundromat where people are social and talk to strangers, though I hear that exists.</p>	<p>Mostly cities, some small towns.</p>
<p>Locals (including one homeless person)</p>	<p>chelsea nyc</p>
<p>locals</p>	<p>NYC, bushwick specifically</p>
<p>Seems to be pretty diverse, everything from moms and children to single men to students and artists like me.</p>	<p>San Antonio, TX. Guadalupe, Mexico and Malaga, Spain</p>
<p>Young people/children</p>	<p>NYC, San Francisco, Houston, Goldspring</p>
<p>In a city, they are cool but otherwise, they are not places I like to go to.</p>	<p>Houston, TX</p>
<p>Lots of machines, high capacity ones also. Pretty much all kinds of people though I would say most people who need laundromats come from lower income households.</p>	<p>In my neighborhood</p>
<p>Diverse/ family/ loud television</p>	<p>Houston, various places traveling both domestically and abroad.</p>
<p>Loud and somewhat dirty. Most users are students and apartment dwellers</p>	<p>I've never used it because I feel uncomfortable using washers and dryers that so many people used. I'm concerned because I don't know how often and how well it</p>
<p>Rows of washers and dryers on two sides of space. Low income renters, people who are living in small-sized apartment, and people who want to use heavy duty washer and dryer.</p>	<p>When I was little we, we went on Saturdays, because we didn't have a washer or dryer.</p>
<p>I live in suburbs, so only folks that have non working machines would go to a laundromat.</p>	<p>Chicago. Los Angeles.</p>
<p>Have only used for large capacity washer dryer.</p>	<p>As a child</p>
<p>Usually in more urban areas used by people who don't have access to their own washer/dryer</p>	<p>Houston mostly... ver easy and chill system. CHEAP TOO</p>
<p>cheap fast and easy laundry. Usually much bigger loads since it's less convenient</p>	<p>Wouldn't know</p>
<p>Wouldn't know</p>	<p>The corner next to my apartment before I realize had a washer and dryer in the basement.</p>
<p>A mix of people, all relatively grumpy and or non interactive. Everyone wants to get out soon.</p>	<p>Houston, TX</p>
<p>Been over 40 years, seem to recall some were friendly</p>	<p>Oui</p>
<p>Lots of diverse people, doing whatever they need to do to get their clothes clean. Some are sitting and watching the tv on the wall.</p>	<p>Georgetown, TX</p>
<p>Mostly lower income people in a large place with many washers and dryers along the wall</p>	<p>every city I've been in</p>
<p>middle to lower income folks who don't have access to an in-home washer/dryer</p>	<p>I haven't</p>
<p>I don't know, I've never been, but I imagine it would maybe be crowded, you'd have to carry your clothes a long way, strangers might see your underwear.</p>	<p>NYC/Brooklyn</p>
<p>Walls and lines of washers and dryers and NYC pods listening to music and avoiding eye contact</p>	<p>Back home growing up (Poughkeepsie) and here in Brooklyn</p>
<p>Neighborhood homes.</p>	<p>bedstuy</p>
<p>laundromat: incandescent, people: depressed</p>	<p>In my neighborhood</p>
<p>The atmosphere of a laundromat is usually pretty negative because no one is really enjoying themselves doing loads of laundry and waiting around for it to be done.</p>	<p>School/living in apartments</p>
<p>Loud machine</p>	<p>San Antonio, Texas</p>
<p>A functional, clean space with washers and dryers, rolling baskets, room to fold and the people who use all of the above.</p>	<p>In college, in Hoboken New Jersey, and New York City</p>
<p>No sure</p>	<p>never so far, most likely will once I get an apartment this summer</p>
<p>Basic but functional, local neighbors</p>	<p>nyc</p>
<p>depressing and depressed</p>	

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