Feedback Doc

Wednesday 4/10 Room 45-230

Write any feedback you have for the presenters here so they can access it at any time!

Team 42

Catherine: jobs <> transport <> rent prices

- Salaries by rent, commute times by rent, rent slider, show commute time radius
- Q not sure what the units are on the network diagram of transit times??
- Q where's the rent data coming from?
- REMINDER - don't use zip codes! I liked the previous focus on neighborhoods and to the extent possible you should stick with those
- Q - not sure I understand what the commute times correspond to? I.e. what's the to/from? Or just the average commute time in that zone?
- Would be good to make clear the **audience** for this
- Love the interactive element! Rent is something so relevant to people -> I wasn't so sure what your focus will be? Affordability, commute times, average salaries?

- Cool hand-drawn wireframes! :)
- Make sure to focus your scope, how does eviction/vacancy data strengthen your argument?

As for the commuting time, have you considered other modes except T, eg. bus, drive, bicycle, walk etc.

- red/green is not accessible, maybe you want to take this into account

Maybe instead of hitting enter on the income selector, just set the income on the scale and it does it immediately, without having to hit enter. Would be smoother.

Where could you find the number of jobs (and by industry) in the selected area?

Andrea - likes that looking at salaries and trying to match to housing costs. sp

Policy --> Reality

Catherine - how would upzoning affect housing density and availability in Metro? Audience is voters. Compare density across munis. Found census data to add in like ppl in poverty, etc.

- Love the visual density comparisons (Milton filling up Cambridge's land area)! That is really cool

- Make concrete what density looks like - to counteract fears of density - use G Street View
- Counterfactual is super interesting
- Maybe make it clear that your audience is NOT the NIMBY single family exclusive zoning ppl (ie Milton residents who love their single family) - also - one compelling audience could be policymakers at the state level - they often look across municipalities to make decisions and the counterfactual might work well for fthem

- Really like the idea with google street view
    - How are you planning on getting these images for all of the districts you are trying to show?

-Really neat idea for the visualization! I think it would be cool to see for all of Boston as well how the population would change if it was as dense as a particular neighborhood, and maybe show # people displaced/housed in terms of a pictograph and as a number

As your audience is the Botston voters, make sure to include the concept of upzoning. Besides the Google map view to indicate the neighborhood atmosphere of different density, show other influences caused by high density. Why do we want high density?

Though this is just preliminary analysis, the graphs showed in the slides does not lead to any conclusion.

Andrea - Q on first slide - 480K - where's that from? Much higher than what they see otherwise.

Spill the T

Catherine - MBTA - showing transportation extension and impact on housing density - identify good communities to expand to. And add to MBTA communities act.

- Looking at dashboard format - drag commuter rails and update in the dashboard - really like this idea of a *speculative dashboard!* My feedback about it would be to make clear your assumptions when you are calculating speculative statistics - (ie assuming all communities comply with MBTA communities at x%, of x type of housing, how many bedrooms, at what price, etc)

- Where are these approximations of resulting housing stock coming from?

- Interesting idea to focus on increasing transit. Is there a way to approximate how much it would cost to expand the T and where it would be the most cost effective to expand (ie. highest number of homes built per extension mile)?
- Can you make the white dots larger? Can you connect / intersect the lines? Create new lines (ie what if we wanted a yellow line?)

- Really like the “game” aspect of the visualization

Like the idea of game. The expansion of T will not influence more than the number of houses covered by MBTA system, should you involve other dimensions to indicate the tradeoff of new expansion. Eg. cost, construction time, geographic feature,

Andrea - how will travel behavior change? How ppl get around in communities>

Nice use of gamification! Striking a balance between fun interaction and having helpful, perhaps more serious takeaways could be really powerful and help people visualize your ideas.Perhaps if you do incorporate cost and people reached you could come up with some sort of point system based on that to incentivize users :)

Teo - great idea for engaging audience - cost to expand the railway? People it would reach/serve

Riccardo mentions that there's something similar for Amsterdam - check that out. Maybe look at isochrones (tho might expand the scope)

The Community Actors

Catherine - impacts of MBTA communities Act compliance. How can evaluate impact of MBTA communities act? Look at parcel level data - USE not ZONING. So what's the impact of upzoning in those areas.

- Like your finer grained geographic analysis e.g. MBTA stations and parcel level!
- Like the idea of the user choosing a station to zoom in on - ideally would be one that they know of or use and have some context for
- Love that you would include the FUTURE housing mix if they were compliant w MBTA CA
- Like the idea of comparative analysis across multiple stations in one muni - this would be a super cool tool for planners and policymakers!
- "Guided data tour" ← really like this part, where you give them some narrative and context

Andrea - likes the breakdown of SF / commercial /etc - make argument that having more residential could support economic activity in diff places. Break down SF into smaller/larger, etc.

Catherine makes some comments about scope - doesn't necessarily need to exhaustively document the whole state/MBTA Communities Act area - would still be successful to do 1 municipality or a handful of them to demonstrate that you can do them with the goal of later expanding to all

Think about the impact of different upzoning districts, probably can generalize the question by quantifying some features, so you can get the influence by the same automatic calculation for most of the stations/municipality.

Divide “multifamily” further, show different housing types/architectural styles

trainz on the brainz

Catherine - which munis should be prioristized for expanding housing access?
Housing units vs vehicles p capita. Ridership data - nonwalkers - Park street

Q - interesting that park street, N station, etc showing up - but I think that's because these are big transit hubs that people arrive to via other public transit right? So I would NOT suggest prioritizing these areas for more housing but rather understanding where people are commuting from? Do you have data about where people using cars commute FROM? That might be the best metric for where to prioritie building better public transit and housing around that transit

User selects top metrics and then sees top 5 munis.

What is the scale of the non-walkers in your bar chart?

Andrea - could see us really using something like this. As they have been doing it been hard to prioritize which ones to work with.
She suggests including transit dependent populations in the analysis

Important metrics may be the travel pattern and population of those communities, you’ve already shown their commuting choices. May be trivial, you can check if there is data about: # cars per residence, parking unit, the flow of each MBTA station, people’s willingness to use public transportation, and bicycle paths.

Speculating an Upzoning Project Name

THeir Qs - Who are biggest investors in Boston? How impacting market? Who impacting?
Looking at speculators & impact on BIPOC communities.

- Force map - shows the top 25(?) investors
- Like the idea of ending with a more exploratory network map
- Q - in force map - what are the nodes and edges? (investors to properties? Buyers to sellers?)
- Catherine - I think the force map is very cool, just you should narrate the reader/user through it so they understand what it represents and figure out how to possibly show

interesting subsets/takeaways so that you don't have to show ALL the data (which looks quite crazy and impossible)
- Catherine - who is your audience? Maybe do some more thinking about that as you develop this

Because of the large amount of data, I would suggest making the takeaways of the force-directed graph very clear so that users are able to explore on their own and make valid conclusions

How can it help the policymaker to show all transitions with force diagram, now the takeaway is more like the large amount of transitions. Clicking the investor to show the information of property is interesting, but how is it related to your large scope? Can you cluster the investor in your force diagram and have some overview from the investor level? Not sure if you already did, hard to tell from the demo.

Lots of data being used, so watch out for the scope!
Andrea - likes force map, not super familiar. Suggests looking into Impact on first time homebuyers. Liked submarkets.

TBD

Speaking to concerns of NIMBYism for upzoning. Speak back to concerns around "historical character of neighborhood" - they will look at arch style / landmarks in relation to zoning.

- Love the visual reference in Pat Falco Mock
- Nice job on the taxonomy of typology! Interesting to couple typology and height

LOVE that you are directly speaking to the "historical character of neighborhood" argument with historical evidence! Also the handdrawn illustrations are quite compelling

Really like the use of architectural style in your research question. Make sure that comes through in your final design so that users can make takeaways
Really like the design study! Especially using the colors from the housing stock & the drawings of the houses
Haha didn’t know there was a “gentrification” font

- I really like your architectural style distribution!

It will be interesting to geographically map the architecture style change if there is relevant data. Give more photos or narrative to the readers about each style. How it is related to people’s way of life, how it affect the neighborhood atmosphere etc.

Andrea - loves the style and artwork. Likes the timeline with architectural attributes.

Boston Waterfront Resilience

Catherine - audience is boston homeseekers, hidden risks to buying properties." Head Above water ". Using FEMA national risk index/census tract level. Include SLR data from Climate Ready Boston. Connection of flips w flood zones. Historical . Where do you want to live - give them grade of risk on that address.

- Glad to see a project connecting housing with climate!
- Love that they select something and then learn something and then get a reveal at the end - I think that will be very effective!
- Q - is focus on Boston only? Or region/coastline?
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Really like the style of your slides
Like the link to climate change! Very unique topic and interesting datasets
Your wireframes are so pretty!!
The idea with overlaying the historical maps is very very interesting

Like this topic. Just one trivial thought, do you wanna check the construction date of existing properties, refer to the maximum age of different architecture types.

1/6th of Boston is already built on landfill. It will be interesting to see how Boston will have to change further in the future as sea levels rise.

What is this grade based on? Is there already an existing metric?

Andrea - likes integration with historical maps, overlaying the flip + flood hazard data is super interesting for mAPC