Three topics: Trees, Housing, Police brutality

Data sources
SF government https://data.sfgov.org/

Other sources of data https://www.forbes.com/sites/bernardmarr/2016/02/12/big-data-35-brilliant-and-free-data-sources-for-2016/#70c945d8b54d

I. Trees
Background information
-

Questions of interest
- What's the percentage of trees that are 'local' and 'non-invasive' ?
- How can trees be leveraged as an ingredient for nutrition. i.e.: Moringa Trees as a source of protein X
- How might we raise awareness about the benefits of urban forests?
- What are the psychological impacts of urban forests parks and landscaping? X
- How can forests serve as memorials and community spaces that offer healing and respite?

Possible applications
- **Adopt a tree XXXX 1**
  - **Feasible**
  - **data-driven**
- Report a dying tree XX
- Infographics about the benefits of urban trees X
- **Platform for people to organize around planting trees in their community XXXX**
  - **Feasible**
  - **Not critically data-driven**

Data Sets
- Street Tree List: https://data.sfgov.org/City-Infrastructure/Street-Tree-List/tkzw-k3nq
- Street Tree Map: https://data.sfgov.org/City-Infrastructure/Street-Tree-Map/337t-q2b4
- SF Urban Tree Canopy: https://data.sfgov.org/Energy-and-Environment/SF-Urban-Tree-Canopy/55pv-5zcc
- Fallingfruit.org go to data tab X

II. Housing

Questions of interest:
- How many rooms, instead of 'units', are created in SF? XX
- How many units of 1-br, 2-br, or 3-br are created? X

- How many bedrooms are being produced vs. reduced by conversions? X
- How many accessory dwelling units being built? How many legalized? X
- What is the cost difference between types of housing creation?
- **How many artists & middle class & working class have been pushed out of San Francisco due to rising rents? XXX 1**
  - **Need to study whether there is data for this**
- How have the demographics of the city shifted in the last 20 years? X
- Do people feel welcome in San Francisco?

Possible applications
- Find Affordable Housing
- **App to show support for a specific project, enabling support to be cited at hearings XXX 2**
  - **Feasible**
  - **Data-driven, not resulting in meaningful data**
- **Storytelling and community mapping collecting narratives of displaced San Franciscans XXXX**
  - **Not feasible**
  - **No data-driven**
  - **Need to study whether there is data for this**
- Showcasing public art and discussing the cultural heritage of SF on and interactive platform
- App that shows people different locations for and images of street art/murals/graffiti in different neighborhoods

Data Sets
- SF Development Pipeline Q3 2016 (information about projects) https://data.sfgov.org/dataset/SF-Development-Pipeline-2016-Q3/k7mk-w2pq
- Affordable rentals from Mayor's Office of Housing https://data.sfgov.org/Housing-and-Buildings/Mayor-s-Office-of-Housing-and-Community-Developmen/9rdx-httc
- Eviction Notices https://dev.socrata.com/foundry/data.sfgov.org/93gi-sfd2 X

III. Police brutality
Background information
- Mapping police violence (w/ infographics) https://mappingpoliceviolence.org/

Questions of interest
- How can privileged white people demand more of their law enforcement officials effectively reducing the burden placed on disenfranchised minorities X
- How do we remind citizens of their rights and ensure that police officers actually serve communities and are held accountable

Possible applications
- Fastest/easiest way to report personal situation
- Fastest/easiest way to report brutality observed
- **Selected topic: Educational platform for learning, resolving, or anything related to conflicts/deal with Police & rights XXXX 3**
  - **Feasible**
  - **Could be data-driven**

- - **Anecdotal evidence**

Data Sets
- SFPD Incidents 2016 (general info about arrests and context)
  https://data.sfgov.org/Public-Safety/SFPD-Incidents-Current-Year-2016-/9v2m-8wqu
- https://www.washingtonpost.com/graphics/national/police-shootings-2016/
- http://www.sfchronicle.com/crime/article/SF-s-police-involved-shootings-practices-and-7921829.php
- http://sfist.com/2016/05/23/15_years_of_officer-involved_shootings_sf.php
- https://invisible.institute/police-data/

Possible
- A platform for community members to submit ideas for law enforcement programming and best practices

Questions