Healthcare Access for Economic Level for Dallas County

**Team Members:**

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* Edel Farah
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**Project Outline:**

We expect to review data that compares Healthcare access (as defined proximity to hospitals, ER’s and urgent care Clinics) in order to determine whether there is a correlation between healthcare access, quality and income level.

**Questions to Answer:**

1. Where are hospitals concentrated in a city/county?
2. Where are ER’s concentrated in a city/county?
3. Number of healthcare facilities in middle class vs impoverished areas?
4. Are urgent care facilities concentrated in high income areas?
5. Are urgent care facilities strategically located a certain distance from hospitals?
6. Concentration of hospitals vs urgent care facilities within a zip?

**Data Sets:**

US Census Data: <https://www.kaggle.com/census/census-bureau-usa>

City of Dallas OpenData: <https://www.dallasopendata.com/>

Google Cloud Plateform: <https://cloud.google.com/apis/>

**Tasks:**

* Determine income thresholds(low/high)-Census ----**Tomeka**
* Determine zip codes in Dallas County-Google Maps---**Christina**
* Isolate the income data by zip code (in Dallas County)-Census----**Edel**
* Gather hospital, urgent care, and ER facilities(Dallas/County-Google Maps---**Antonio**
* Visualizations:
  + Bar graph----**Tomeka/Christina**
    - Dallas county (H, ER, UC)
    - High income(H, ER, UC)
    - Low Income(H,ER,UC)
  + Scatter-----Edel/Antonio
    - Income vs Count (H, ER, UC)
  + Pie Chart
    - Comparing (H, ER, UC) in low income vs high income