**10 Minutes Presentation of TheMoonShadow**

1. **Introduction (1 min):**

(Explain the question your group is asking and any hypothesis formulated)

Housing is an important part of people’s life. As residents in Austin city, we’ve noticed or somehow experienced that the housing market affects our life. Therefore, the group’s ascertained to explore the city housing market

* To determine the housing market of Austin city

(**Q**: residential houses OR commercial properties)

* To find out what the relative causes & factors of housing market are
* Try to reveal the relationships of the causes and factors and how they affect the housing market
* To provide some analyzed information on housing, using tables and graphs

1. **Process (2 min)**

(Explain how you got your data and any interesting munging processes)

After reviewing a number of materials on housing economics material, the following four indicators have been reasonably assumed to analyze:

* **Housing Data:**
* **Population Data:**
* **Job Market Data:**

**Format**: .CSV instead of API (it provides, but keep failing with the hit limits

**From U.S. BUREAU OF LABOR STATISTICS**, <https://www.bls.gov/home.htm>

Visited Resources/Websites:

1. *Applied on the web, but no reply*: The City of Austin, <https://data.austintexas.gov/>
2. *Checked, but it refers to US BLS*: [Texas Workforce Commission](http://www.twc.state.tx.us/twcinfo/mission-vision-philosophy.html), <https://twc.texas.gov/>
3. *Emailed, but no response*: Workforce Solutions Capital Area Workforce Board, <http://www.wfscapitalarea.com/>
4. Gave up analysis of Employment data on Industry/job category by Counties instead of Cities (the indicator is used for the project)

* **Demographic Data:**

1. **Results (6 min)**

(Display your visualizations and conclusions drawn from analysis. The bulk of the presentation time should be spend displaying and discussing your data visualizations.)

* **Visualization & Finding 1**:
* **Visualization & Finding 2**:
* **Visualization & Finding 3**:
* **Visualization & Finding 4**:
* **Visualization & Finding 5**: Employment has firmly increased during the period time from the year 2010 to 2018. The relationship of between labor force and time is positive, further the graph shows the correlation appears perfectly close to value 1.
* **Visualization & Finding 6**: Employment rate has grown up stably over the last ten years. It’s a positive line graph.
* **Visualization & Finding 7**:
* **Visualization & Finding 8**:

1. **Conclusion (1 min)**

Discuss any weakness of the project or things you might do differently if you had another attempt and any next steps you would take in a deeper dive into this project or a follow up project.

* **To share 1**: enlarge data range
* **To share 2**: solve the web limited hits, save data in a buffer area
* **To share 3**: visualize a set of combined data