

## Airbnb Price Prediction

### Weekly Project Meeting Minutes

Date of meeting: 03/20/2023 – 03/24/2023

Group: 6

Section: 4

#### Group members:

Name	ID
Joyal Patel	0792200
Raihaanah Abubakkar Sidiq	0785786
Ezekiel Ayeni	0778486
Jyoti Bala	0792019
Harsh Kumar	0791250

Specific Activities that were completed/worked on:

#### **List brief description of activities carried out by group members.**


- In the week starting March 20<sup>th</sup>, 2023, the team met to review the progress made since the last meeting and after the march break.
- Again, every member was asked to take minutes of every meeting within the period under review, this would be collated by Ezekiel Ayeni for final submission.
- Ezekiel Ayeni, represented the group as the group leader at the panel discussion organized by professor Manjari. It was an avenue to share ideas with other capstone groups.
- Rihaannah Sidiq, Harsh Kumar, Jyoti Bala, and Joyal Patel were also present to ask questions and share ideas with other capstone groups.
- The team embarked on discussions of the best modalities to apply in creating the project models and algorithms.
- Jyoti Bala and Joyal Patel suggested we make use of K-means algorithm for the clustering, Rihaanah Abubakkar Sidik suggested that we use hierarchical clustering, Harsh Kumar and Ezekiel Ayeni suggested that we apply DBSCAN to identify clusters based on regions with higher density.
- Jyoti Bala, Harsh Kumar, Ezekiel Ayeni, Rihaanah Sidiq, and Joyal Patel commenced work on different clustering algorithms. Report to be compiled by Jyoti Bala and Ezekiel Ayeni.

Specific Output from work:

**Include a brief summary of any written work or any code developed.**

- Actionable insights were drawn from the group panel discussion organized by Professor Manjari. Other capstone groups suggested that we also take a critical look at the effect of reviews/ratings on price of Airbnb.
- Jyoti Bala completed the EDA, Harsh Kumar still working on the models while Ezekiel Ayeni, Joyal Patel, and Rihaanah Sidiq are still working on cluster algorithms.

On Target:

- Indicate the current status of your project:
  -  green: everything on track for completion by due date

Challenges/Disagreements:

**List any challenges identified/discussed and possible solutions.**

- The initial challenge was to select the best model and algorithm for the project and what approach to embark on.
- The status of the project remains green.

**List any notable disagreements and subsequent discussion and resolution.**

- The challenge was resolved after consultation with Professor Manjari, she gave a clear direction on what the algorithm should look like.

Planned Activities for coming week:

**List brief description of activities by group members**

- Harsh Kumar, Jyoti Bala, Ezekiel Ayeni to continue working on creating models and algorithms for our dataset.
- Joyal patel and Rihaanah Sidiq to continue working on testing and evaluation.