Airbnb Price Prediction

Weekly Project Meeting Minutes
Date of meeting: 02/07/2023 – 02/10/2023
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:

- **In the week ending February 6th, we concluded our business problems and project proposals. Jyoti Bala and Rihannah Sadiq dissected each of the business proposals one by one and made it simple to understand by the rest of the team to start working on each proposal.**

- **Ezekiel Ayeni and Joyal Patel made extensive research on the modalities to apply in finding the best approach in solving the problem. Several approaches were taken such as: grouping cities across Canada in terms of demographic sizes rather than land mass. They resolved to group the cities into three (mega, mid, small).**

- **Harsh Kumar made use of Jupiter notebook to combine and group the data into mega, mid, and small segments for easy analysis.**

Specific Output from work:

- Include a brief summary of any written work or any code developed.
- **We now have a comprehensive data of six different cities in Canada combined into a single dataset with additional column that segments the cities into three sizes.**

- **These steps will make our dataset easier for analysis and provide accurate solutions for our business problems and project proposals.**

- **We have used some python libraries such as: pandas and numpy in combining and grouping the data.**

- **Loading the data, we use the python code below:**
  ```
  Toronto = pd.read_csv("Toronto_Ontario_mega.csv")
  Montreal = pd.read_csv("Montreal_Quebec_mega.csv")
  ```

```
Vancouver = pd.read_csv("Vancouver_BritishColumbia_mid.csv")
Winnipeg = pd.read_csv("Winnipeg_Manitoba_mid.csv")
Quebec = pd.read_csv("Quebec_Quebec_small.csv")
Victoria = pd.read_csv("Victoria_BritishCoumbia_small.csv")
```
- **We grouped the cities and thereafter combined them using the python code below:**
```
Airbnb = pd.concat([Toronto, Montreal, Vancouver, Winnipeg,
Quebec, Victoria])
```

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.
- **Aside from the minor challenge of applying the understanding of the dataset to our business problems, there were no other issues. The status of the project remains green.**

- List any notable disagreements and subsequent discussion and resolution.
- **At the end of our meeting, we were able to assign tasks to each of the group members. This help as Jyoti Bala and Rihaanah Sadiq was able to resolve the project problems, Ezekiel and Joyal were able to group the data while Harsh Kumar was able to apply Jupiter notebook to combine the data.**

Planned Activities for coming week:
- List brief description of activities **by group member**
- **The whole team assemble and prepare for the individual interview of February 13th 2023.**

- **Jyoti and Joyal commence work on the initial stage of Data preprocessing, Harsh Kumar to conclude data cleaning, Rihaanah and Ezekiel to combine all and ensure that data assessment is fully completed.**

Weekly Project Meeting Minutes
Date of meeting: 02/13/2023 – 02/17/2023
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:

- **In the week starting February 13th, reflected on the progress we have made so far in our project. Rihaannah and Harsh Kumar reminded the entire group on the objective of the project and timeline. Ezekiel and Jyoti encouraged the team to always make use of the project plan to guide the group on what needs to be done at every point in time.**

- **Group members were prepared for the individual project interviews.**

- **Joyal, Rihaannah, Jyoti, and Harsh gave feedbacks to the group on their individual interviews with project coordinator.**

- **Ezekiel's individual interview was rescheduled for 22nd February 2023.**

- **Actionable insights were drawn from feedback given by each group after their interviews with project coordinator.**

- **Harsh Kumar and Ezekiel Ayeni commenced exploration data analysis.**

- **Joyal Patel, Jyoti, and Rihaannah also gave different inputs for the EDA using python.**

Specific Output from work:
- Include a brief summary of any written work or any code developed.
- **Exploratory data analysis was in progress.**

- **We have used some python libraries such as: pandas and numpy, seaborn, pyplot etc. to complete EDA.**

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.

- **There was no challenge so far at this stage of the project. The status of the project remains green.**

- List any notable disagreements and subsequent discussion and resolution.
- **There was no challenge so far at this stage of the project. The status of the project remains green.**

Planned Activities for coming week:
- List brief description of activities **by group member**
- **The whole team assemble and prepare for the individual interview of February 13th 2023.**

- **Jyoti and Joyal commence work on the initial stage of Data preprocessing, Harsh Kumar to conclude data cleaning, Rihaanah and Ezekiel to combine all and ensure that data assessment is fully completed.**

Weekly Project Meeting Minutes
Date of meeting: 02/20/2023 - 02/24/2023
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.**
- **The team met for group discussions. Joyal Patel and Jyoti Bala completed work on the data preprocessing.**
- **Harsh commenced and concluded work on data cleaning.**
- **Ezekiel and Rihaannah combined the data preprocessing and data cleaning to complete data assessment.**

Specific Output from work:
- Include a summary of any written work or any code developed.
- **We now have complete data assessment and clean data ready for analysis.**
- **We have used some python libraries such as: plotly, seaborn, pyplot for our data assessment.**

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

Challenges/Disagreements:
- List any challenges identified/discussed and possible solutions.
- **There were minor challenges in what aspect of presentation to allocate to each group members for the upcoming group interview and presentation. The project status is green and going according to plan.**
  - include tasks causing a yellow or red flag for your project.
- List any notable disagreements and subsequent discussion and resolution.

Planned Activities for coming week:
- List brief description of activities **by group members**
- **Different sections of presentation were allocated to each group member to work on presentation week beginning February 27th, 2023.**

- **All group members tender their portion of presentation for the group presentation by 24th February 2023.**

- **Ezekiel Ayeni and Rihaanah Sadiq to combine power point presentation for the group presentation for the week beginning February 27th 2023.**

- **Group to prepare and rehearse for the upcoming group interview and presentation.**