

Date: 12/11/2022

Team Name: Ninjaz

Leader Name: Zainab Alibrahim

[Capstone project]

GitHub Link:

<https://github.com/Lina1719/Capstone-Project.git>

Member Name: Lina Almansour

Done:

- data cleaning and preprocessing
- Assisted in preparing the presentation

Member Name: Zainab Alibrahim

Done:

- Assisted in data cleaning and preprocessing
- Assisted in preparing the presentation

Member Name: Esraa Alyoubi

Done:

- Report writing
- Assisted in preparing the presentation

Member Name: Amjad Saleem

Done:

- Perform EDA on data
- Assisted in preparing the presentation

Member Name: Alaa bin Othman

Done:

- Report writing
- Assisted in preparing the presentation

Date: 13/11/2022

Team Name: Ninjas

Leader Name: Zainab Alibrahim

Capstone project

Daily Goal: setting model target

1. We chose the target for the classification models. Then, we create a new column for the target, which is 'PERFORMANCE', derived from 'DEVICE_COUNT' column.
2. We defined five pins to perform grouping for 'DEVICE_COUNT' values.
3. We faced some issues with the model results, such as overfitting with outliers, and we tried several solutions for better results.

Member Name: Lina Almansour

Done:

- Suggested the target for classification models
- Worked on defining the target pins and related issues
- Created Logistic Regression model and its evaluation

To-Do:

- Apply tuning for Logistic Regression Model
- Improving the accuracy of the model

Member Name: Amjad Saleem

Done:

- Worked on the outliers of the target column (extracting and propping)
- Assisted in defining the ranges of target pins and related issues
- Created Random Forest Classifier model

To-Do:

- Continue working on Random Forest Classifier model
- Evaluating the model and improving its accuracy

Member Name: Zainab Alibrahim

Done:

- Worked on applying and editing the codes and models creation
- Assisted in issues related with defining the pins ranges

To-Do:

- Creating SVC model
- Evaluating the model and improving its accuracy

Member Name: Esraa Alyoubi

Done:

- Could not attend (had absence excuse)

To-Do:

- Reviewing the code and writing comments and markdown for each step
- Working on XGBoost

Member Name: Alaa Bin Othman

Done:

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To-Do:

- Working on the Comparison between all models
- Extracting conclusion

Date: 14/11/2022

Team Name: Ninjas

Leader Name: Zainab Alibrahim

Capstone project

Daily Goal:

1. Setting and rearranging the ranges for the target column pins
2. Continue working on classification models and evaluation
3. Working on the dashboard and Improving EDA

Member Name: Lina Almansour

Done:

- Set better ranges for the target column pins
- Improved the accuracy of the Logistic Regression Model
- Worked on tuning for Random Forest Classifier model

To-Do:

- Working on documentation and report content

Member Name: Zainb Alibrahim

Done:

- Worked on Decision Tree Classifier model
- Evaluating the model and improving its accuracy

To-Do:

- Working in documentation and report content

Member Name: Esraa Alyoubi

Done:

- Reviewed the code and writing comments and markdown for each step
- Working on XGBoost model
- Evaluating the model and improving its accuracy

To-Do:

- Working on web blog content

Member Name: Amjad Saleem

Done:

- Reviewed the EDA with our instructor Mr.Ahmed
- Worked on Improving EDA.

To-Do:

- Writing EDA insights

Member Name: Alaa Bin Othman

Done:

- Started working on Power BI dashboard
- Worked on SVC model and its evaluation (We canceled it)

To-Do:

- Reviewing the dashboard with Mr. Ahmed and implementing the needed improvements.
- Preparing the presentation

Date: 15/11/2022

Team Name: Ninjas

Leader Name: Zainab Alibrahim

Capstone Project

Daily Goal:

1. Review our dashboard with Mr. Ahmed and some enhancement
2. Complete all the work related with EDA charts and analysis
3. Working on report documentation, web blog on Medium content, and the presentation
4. Working on the models' results comparison

Member Name: Lina Almansour

Done:

- Worked on the documentation and report content (ML models comparison and Future Work)
- Writhing analysis on part of EDA plots

To-Do:

- Review all the work

Member Name: Zainb Alibrahim

Done:

- Worked on the documentation and report content (dataset table and the reason for choosing it with its relation to 2030 vision)
- Writhing analysis on part of EDA plots

To-Do:

- Review all the work

Member Name: Esraa Alyoubi

Done:

- Worked on web blog content
- Worked on the documentation and report content (Introduction)

To-Do:

- Review all the work

Member Name: Alaa Bin Othman

Done:

- Reviewed the dashboard with Mr. Ahmed and implementing the needed improvements.
- Started preparing the presentation

To-Do:

- Continue Preparing the presentation
- Review all the work

Member Name: Amjad Saleem

Done:

- Writing analysis on part of EDA plots
- Choosing the best plots for documentation

To-Do:

- Review all the work

Date: 16/11/2022

Team Name: Ninjas

Leader Name: Zainab Alibrahim

Capstone Project

Daily Goal:

1. Finishing all work related to documentation, web blog, and presentation
2. Reviewing the web blog content with Mr. Ahmed
3. Final revision for documentation, web blog on Medium content, presentation, and EDA analysis.

Member Name: Lina Almansour

Done:

- Review all the work

To-Do:

- Preparing for presenting the project

Member Name: Zainb Alibrahim

Done:

- Review all the work

To-Do:

- Preparing for presenting the project

Member Name: Esraa Alyoubi

Done:

- Review all the work
- Complete the web blog

To-Do:

- Preparing for presenting the project

Member Name: Alaa Bin Othman

Done:

- Review all the work
- Finished preparing the presentation

To-Do:

- Preparing for presenting the project

Member Name: Amjad Saleem

Done:

- Review all the work

To-Do:

- Preparing for presenting the project

Date: 17/11/2022

Team Name: Ninjas

Leader Name: Zainab Alibrahim

Capstone Project

Daily Goal:

1. Reviewing all of the documentation files and jupyter nootbooks
2. Reviewing all submission requirements
3. Uploading project files and progress reports on GitHub

Member Name: Lina Almansour

Member Name: Zainb Alibrahim

Member Name: Esraa Alyoubi

Member Name: Alaa Bin Othman

Member Name: Amjad Saleem