Dell Technologies Hackathon NMIMS

Performance Analytics Group

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Learning Opportunity

- This is a problem to give an essence of what Dell Technologies does in AI/ML
- An opportunity for Analysis and Research – Exploratory, AI/ML, Visualization, Insights, and Recommendations
- By solving this real-life business problem, you will be able to apply and enhance your data science skills
- Get a hands-on experience of coding in Python/R

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Business Context

Background:

Pricing any product accurately is an important aspect for every business. As the technology advances, new configurations/models are being built to satisfy the customer's needs. However, predicting the price of different configuration based on the pricing of each components is always a challenging task.

An enhanced performance prediction model would benefit our business by helping us accurately predict the price of the new laptop/desktop configuration.

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Problem to Solve

Problem Statement:

The provided dataset consists of Laptop/Desktop configurations and its pricing. Every component has different models. Different laptop/ desktop configurations are created by combining various components and its models.

Predict the price of the systems having new configuration offerings as provided in the dataset.

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Evaluation Criteria

Criteria	Details	Scoring
Accuracy of predicted Price	How does the algorithm perform against the pricing in test set?	MAPE score Average(ABS(Actual –Predicted)/ Actual)

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Instructions

- **Register** for the competition here by **14th August EOD**
- **Team Size:** Max 2 participants per team
- **Dataset:** Train set, Validation Set, Test Set (Evaluation Set) and Dictionary
- **Submission Deadline: 19th August EOD**
- **Submission Guidelines:**
  - Number of submissions per team = 1
  - Submission will be through the following Google Form: https://forms.gle/bJU4NPSRkDhyEc6z9
  - Upload only predicted results file in CSV format
- **Winners** to be announced on **23rd August**
- Join **MS Teams** if you have any specific questions related to the Hackathon

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And yes, Prizes to be won!!

Winners (1 team):

- PPI with Dell Technologies
  - 1st year students – PPI to Internship Program
  - 2nd year students – PPI to Final Campus Placement
- 20k worth prizes and Dell Technologies Merchandise
- Certificate of appreciation

1st & 2nd Runner up teams:

- Certificate of appreciation from Dell Technologies

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