Going for Master?

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Project Description/Motivation

- Attending graduate school is is a lifetime decision. Students have to weigh their efforts/time and the chance of admit.

- This app predicts the admission chance for an international graduate school application to UCLA. Users can get a sense of how strong they stand among all applications, and shortlist universities with their profile

Dataset

- "Graduate Admission 2" Dataset from Kaggle
- International Applications to Graduate Program at UCLA
- Features:
  - GRE Score
  - TOEFL Score
  - University Rating
  - Strength of Personal Statement
  - Strength of Recommendation Letter
  - Undergraduate GPA
  - Research Experience
  - Chance of Admit
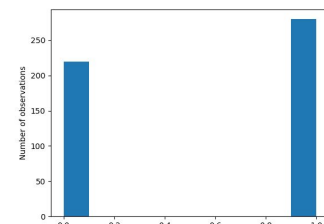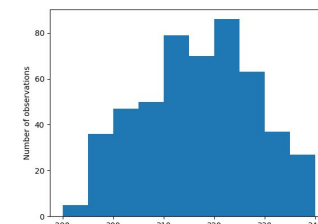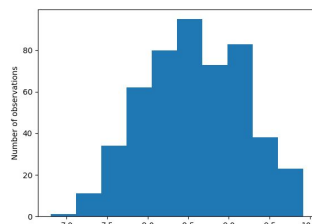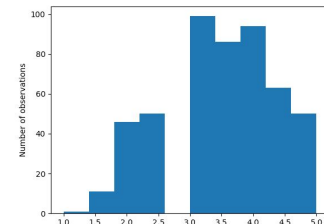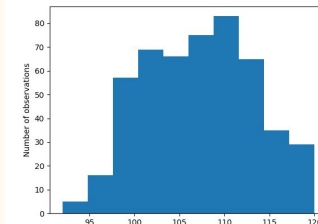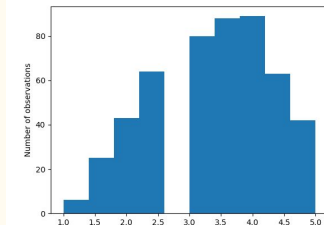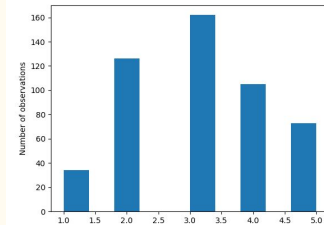
Models

3-Folds CV (validation = 0.25)	R^2	RMSE
Linear Regression	**0.79**	**0.06**
Lasso Regression	0.21	0.13
Random Forest	0.77	0.07

Final Model (test = 0.25)	R^2	RMSE
Linear Regression	0.88	0.05
Success Criteria	0.6	0.3

Insights

- **GPA** is the most important feature followed by **GRE** and **TOEFL**
- These three features are highly correlated
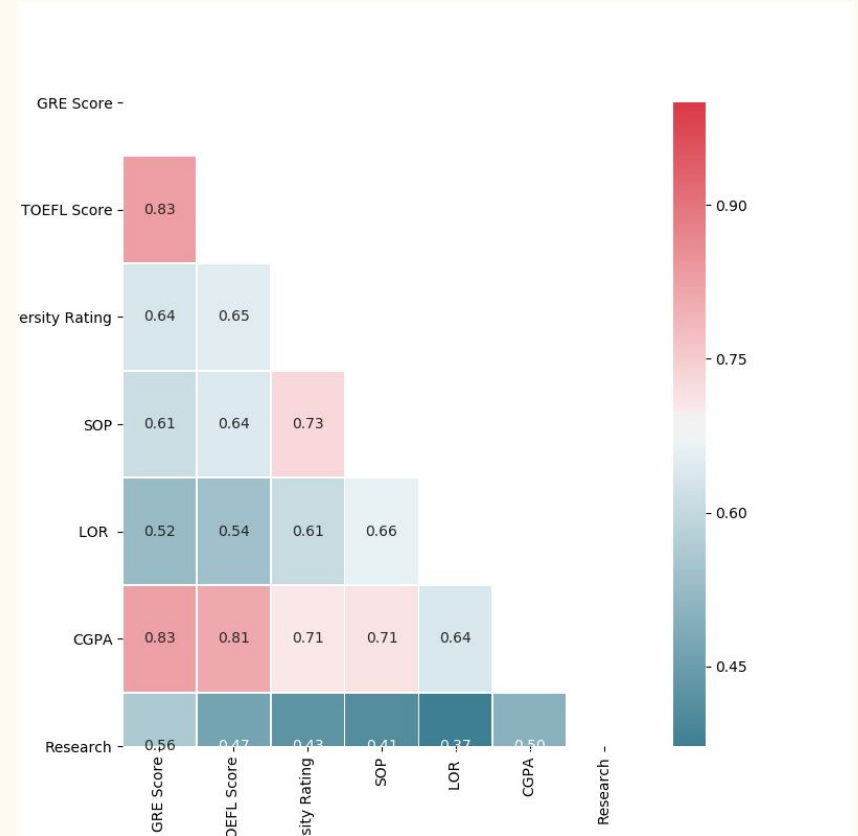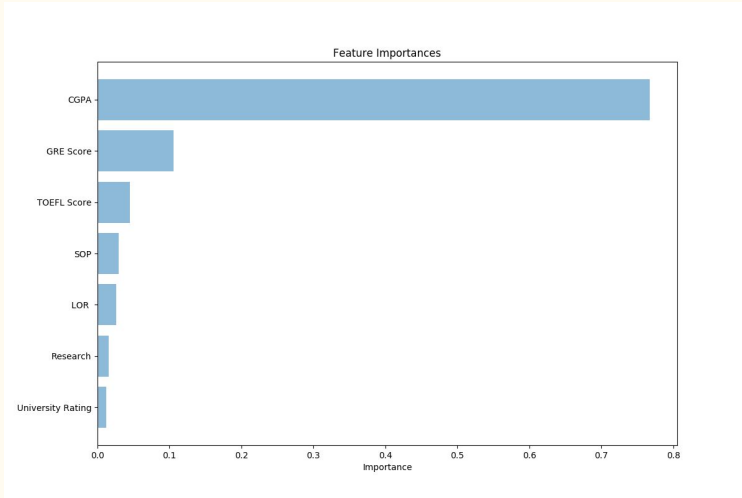
Thank you!

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NORTHWESTERN
UNIVERSITY

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Dear Xuefei,

Congratulations! We are delighted to inform you that you have been admitted to the Master of Science in Analytics program at Northwestern University. Out of a highly competitive pool of applicants, our admissions committee has identified you as a priority candidate because of your exceptional background and unique perspectives.