**CS 556 Group Project: Admission Prediction Report**

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* **Linear Regression Model**

Training MSE: 0.00387

Test MSE: 0.00462

* **PCA + Regression Model**

Training MSE: 0.00448

Test MSE: 0.00551

* **Salient Project Features**
* Used cleaned dataset (admission\_data\_standardized.csv)
* 80/20 train-test split applied
* Linear Regression trained on all features
* PCA for dimensionality reduction (2 components)
* Model performance compared via MSE