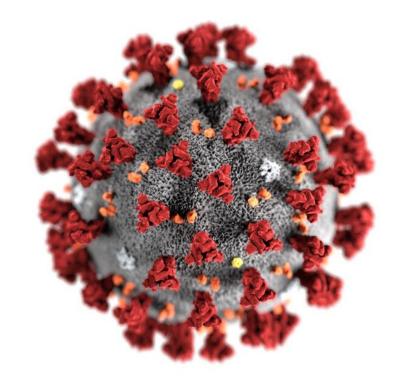
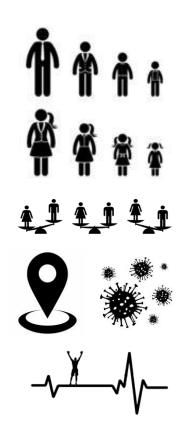
Coronacast

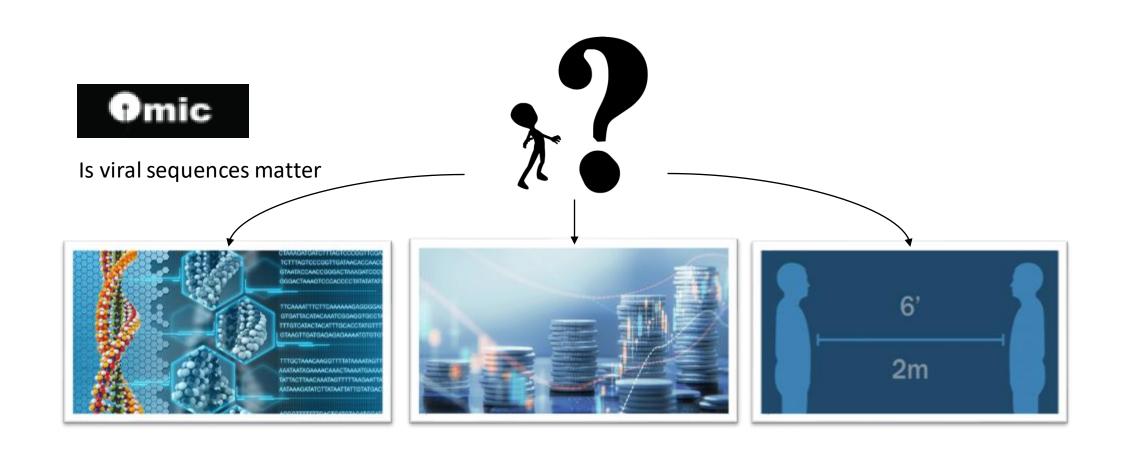
COVID-19 viral strain patient outcome predictor





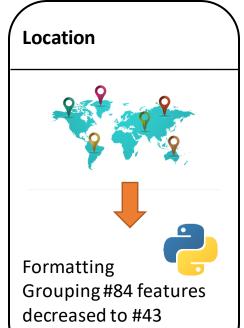
Consulting Project

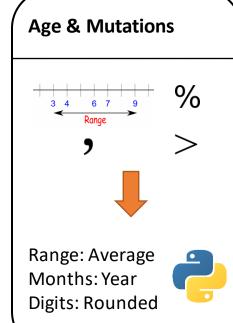
Azadeh Kamali Tafreshi

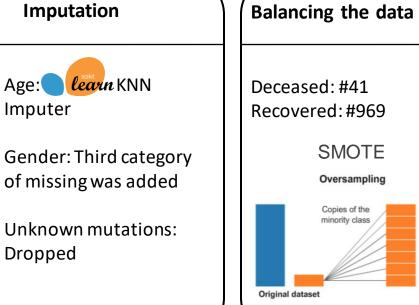


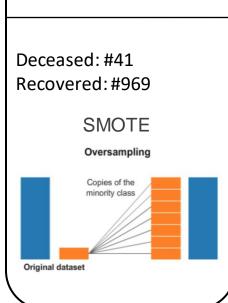
Data Pre-Processing

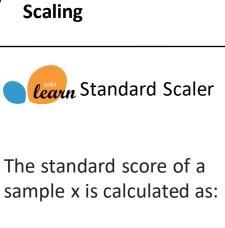












z = (x - u) / s

Random Forest

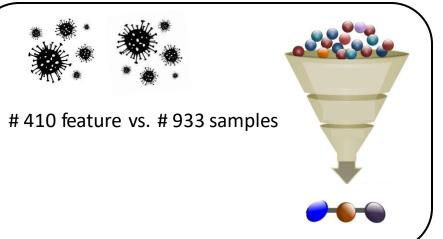




197 features vs. # 1010 samples

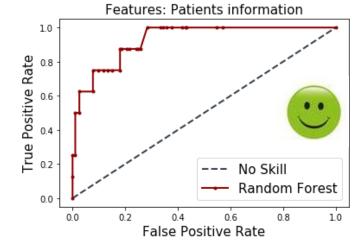


Metric: Area under the ROC curve



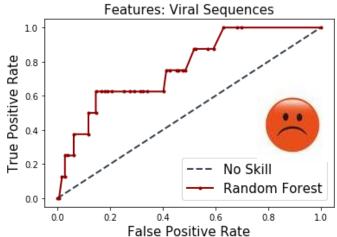
AUROC: 93 %

Recall: 96 %

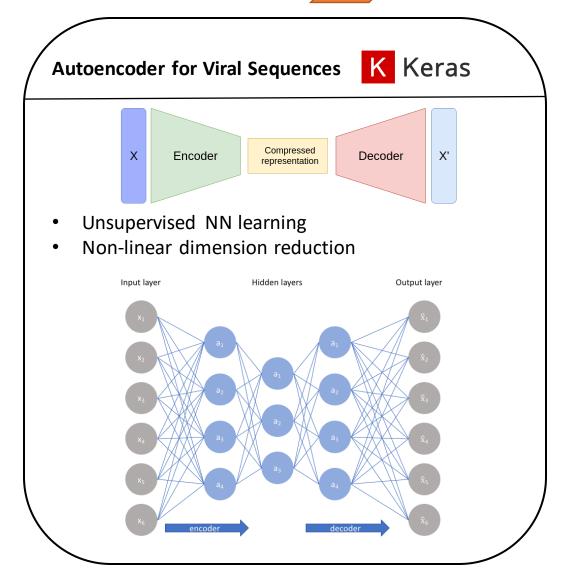


AUROC: 76 %

Recall: 89 %

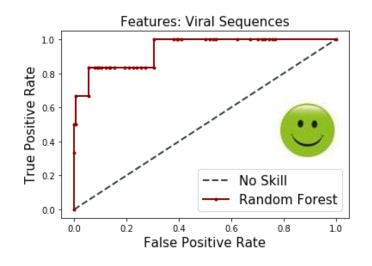


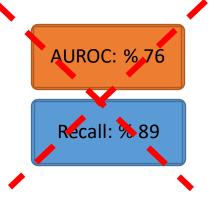
Random Forest

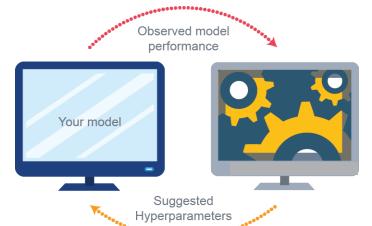


AUROC: % 94

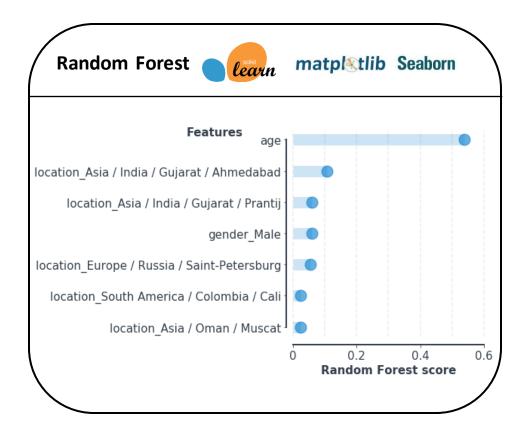
Recall: % 92

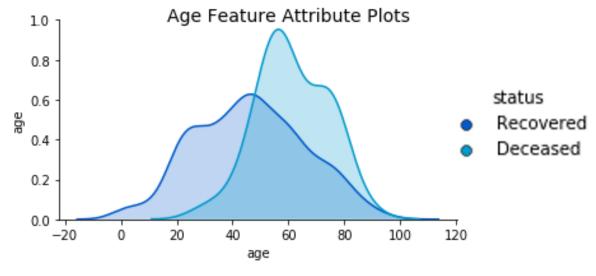


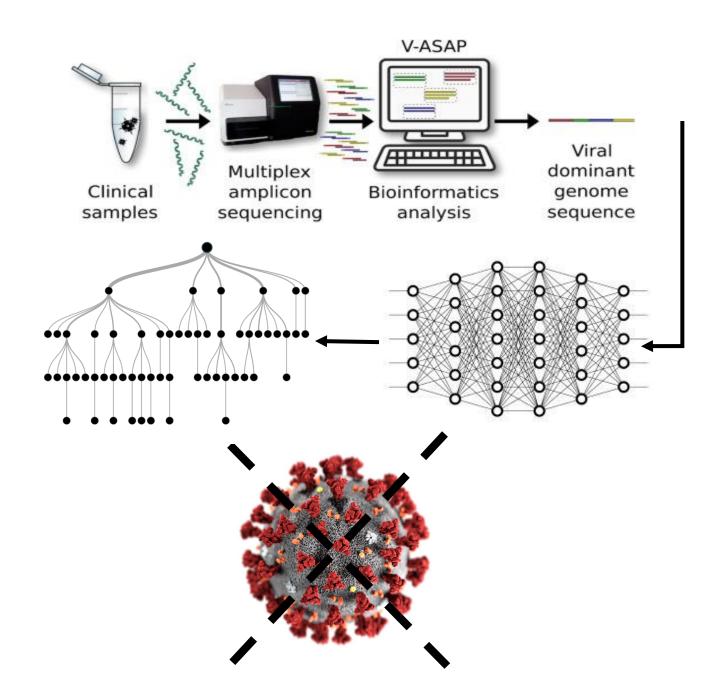




Feature Importance













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