Predicting Personality Without a Net (well, mostly)

SIOP Machine Learning Competition April 5th, 2019



OUR MISSION

The mission of the association is to facilitate the financial security of its members, associates and their families through provision of a full range of highly competitive financial products and services; in so doing, USAA seeks to be the provider of choice for the military community.

OUR STANDARD

Keep our membership and mission first

Live our core values:

Service, Loyalty, Honesty, Integrity

Be compliant and manage risk

Build trust and help each other succeed

Embrace diversity and be purposefully inclusive

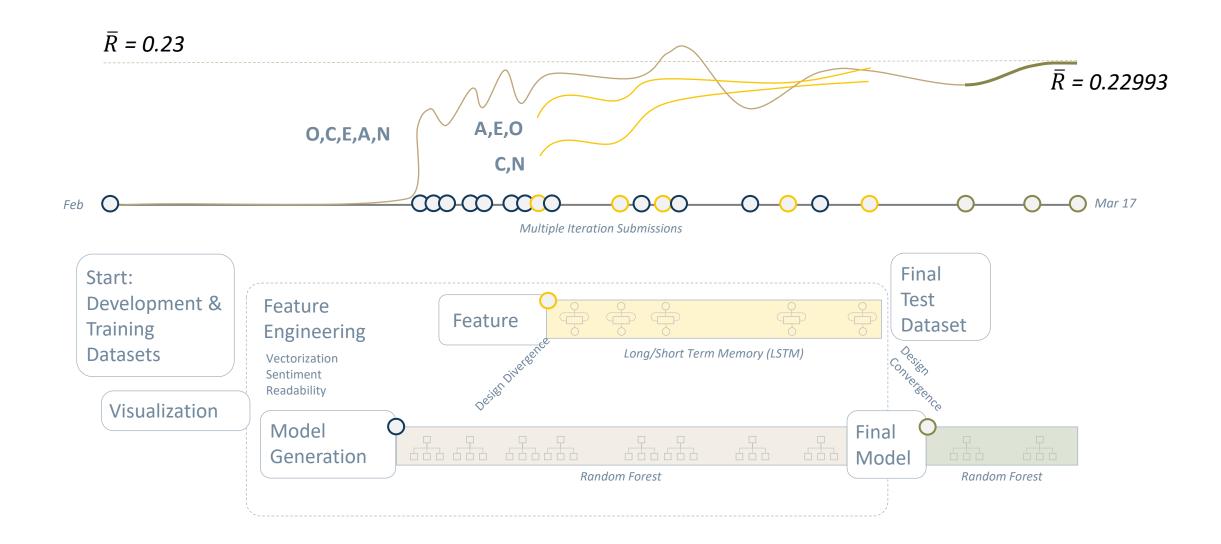
Innovate and build for the future

Knowledge Gained

Design, Performance and Application

THE DATA

Distributions Openness Conscientiousness and Correlations 3.5 5.0 Extraversion Neuroticism Agreeableness 2.0 2.5



To stem or not to stem?*

Stemming/Lemmatization

Vectorization

Sentiment

Readability



Resource Constraints

Perils of Overfitting

How do we balance the benefits with the requirements of risk management?













Questions



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