**A Random Forest approach to identify metrics that best predict match outcome and player ranking in the esport Rocket League**

### Supplementary Figures S1-10

Each of the following are correlation matrices created between the predictor metrics in each regression model created. Numbers are indicative of strength of correlation (*r* value) and are only presented if *p* < .001.

**Raw Score Metrics:**

Chart, scatter chart

Description automatically generated

Figure S1: Correlation matrices of all predictor metrics within the model created using raw-score metrics and data from bronze rank matches.

Chart, scatter chart

Description automatically generated

Figure S2: Correlation matrices of all predictor metrics within the model created using raw-score metrics and data from gold rank matches.

Chart, scatter chart

Description automatically generated

Figure S3: Correlation matrices of all predictor metrics within the model created using raw-score metrics and data from diamond rank matches.

Chart, scatter chart

Description automatically generated

Figure S4: Correlation matrices of all predictor metrics within the model created using raw-score metrics and data from GC rank matches.

Chart, scatter chart

Description automatically generated

Figure S5: Correlation matrices of all predictor metrics within the model created using raw-score metrics and data from matches of all ranks.

**Difference Score Metrics:**



Figure S6: Correlation matrices of all predictor metrics within the model created using difference-score metrics and data from bronze rank matches.

Chart, scatter chart

Description automatically generated

Figure S7: Correlation matrices of all predictor metrics within the model created using difference-score metrics and data from gold rank matches.

Chart, scatter chart

Description automatically generated

Figure S8: Correlation matrices of all predictor metrics within the model created using difference-score metrics and data from diamond rank matches.

Scatter chart

Description automatically generated

Figure S9: Correlation matrices of all predictor metrics within the model created using difference-score metrics and data from GC rank matches.

Scatter chart

Description automatically generated

Figure S10: Correlation matrices of all predictor metrics within the model created using difference-score metrics and data from matches of all ranks.