

Rating Soccer Defenders

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Motivation
Methodology
Results

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Player salary vs. FIFA rating vs. goals conceded



Linear regression

Support Vector Regression

PCA (Principal Component Analysis)

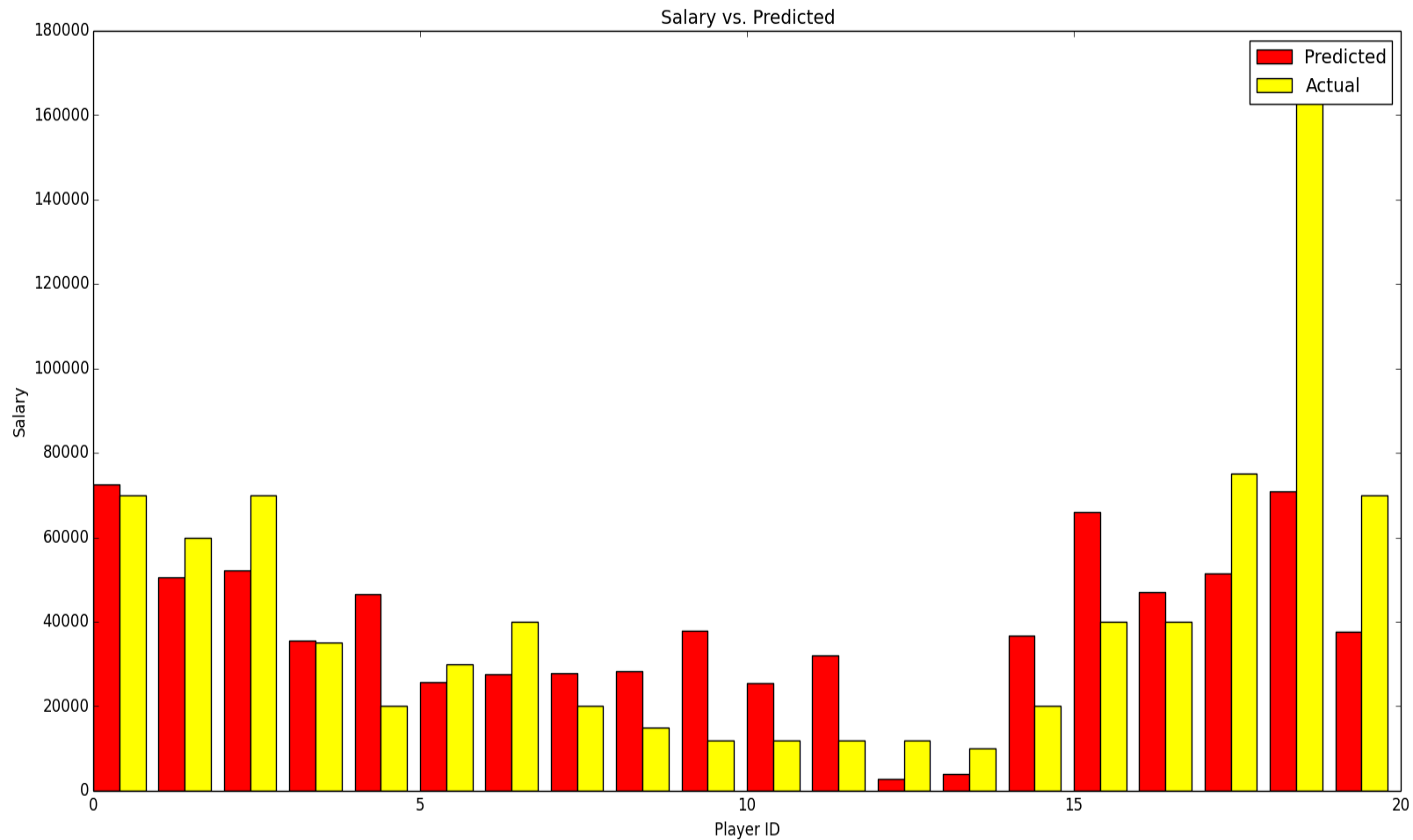
Bayesian Ridge Regression

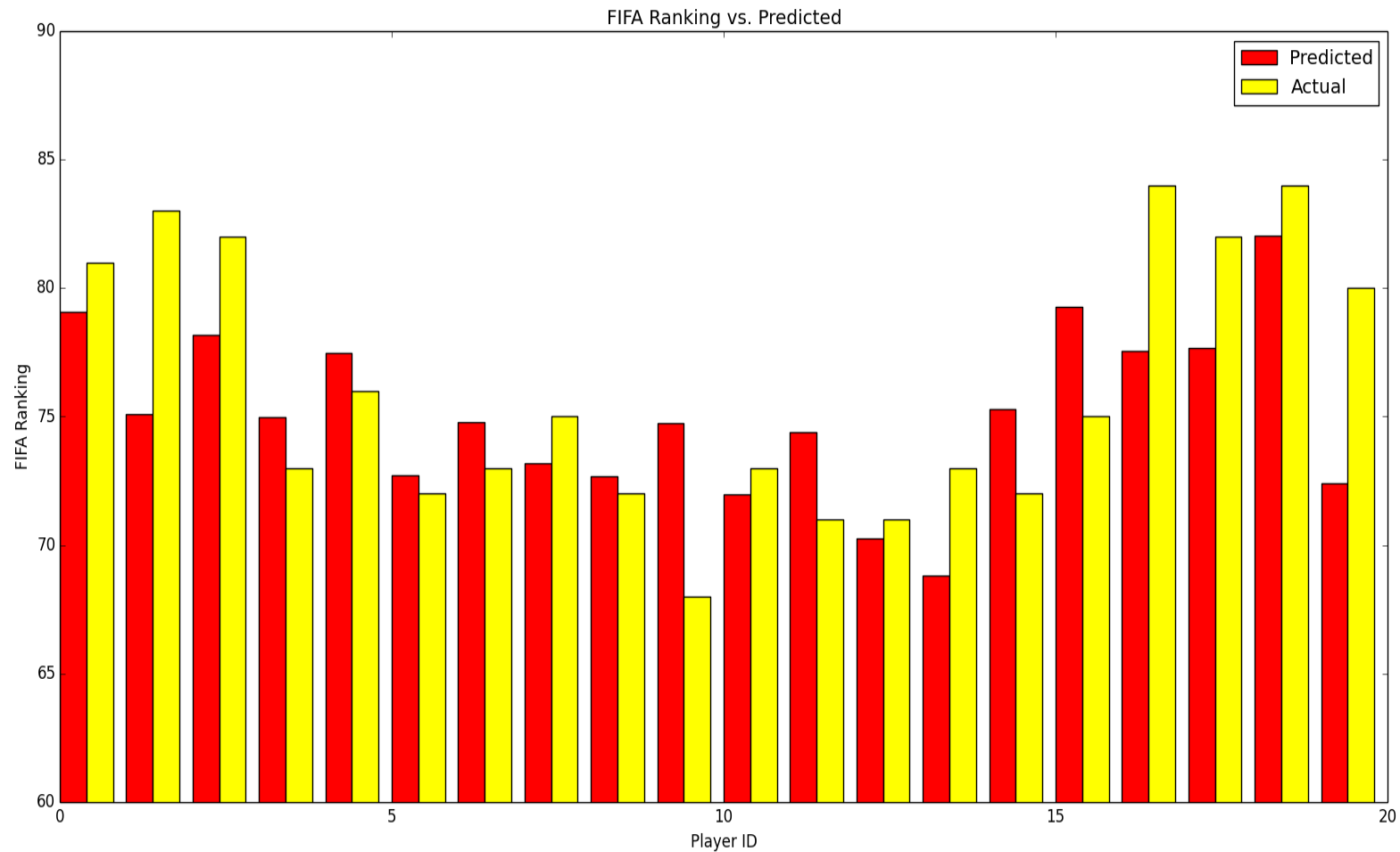


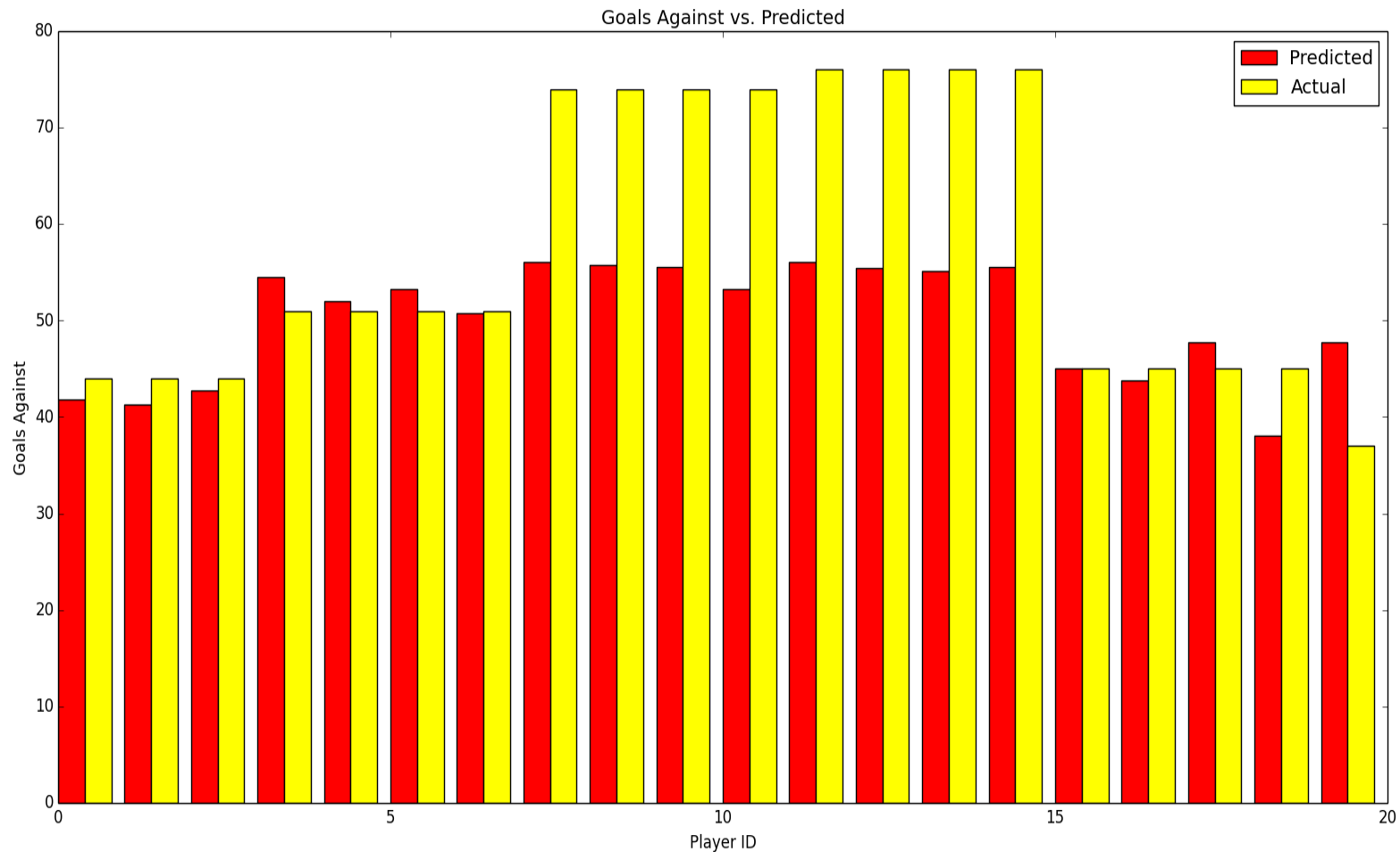
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Predictions vs. Reality





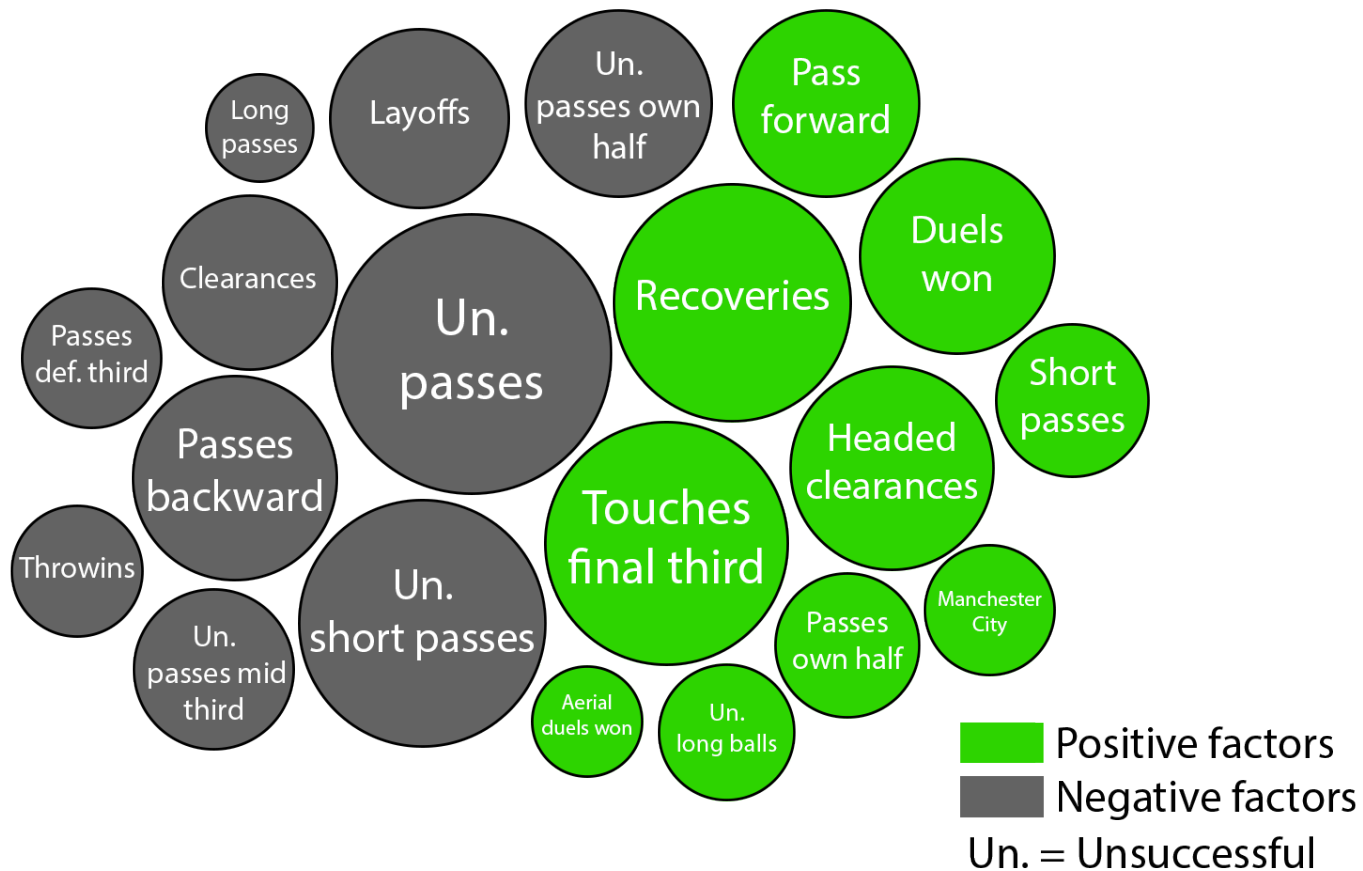




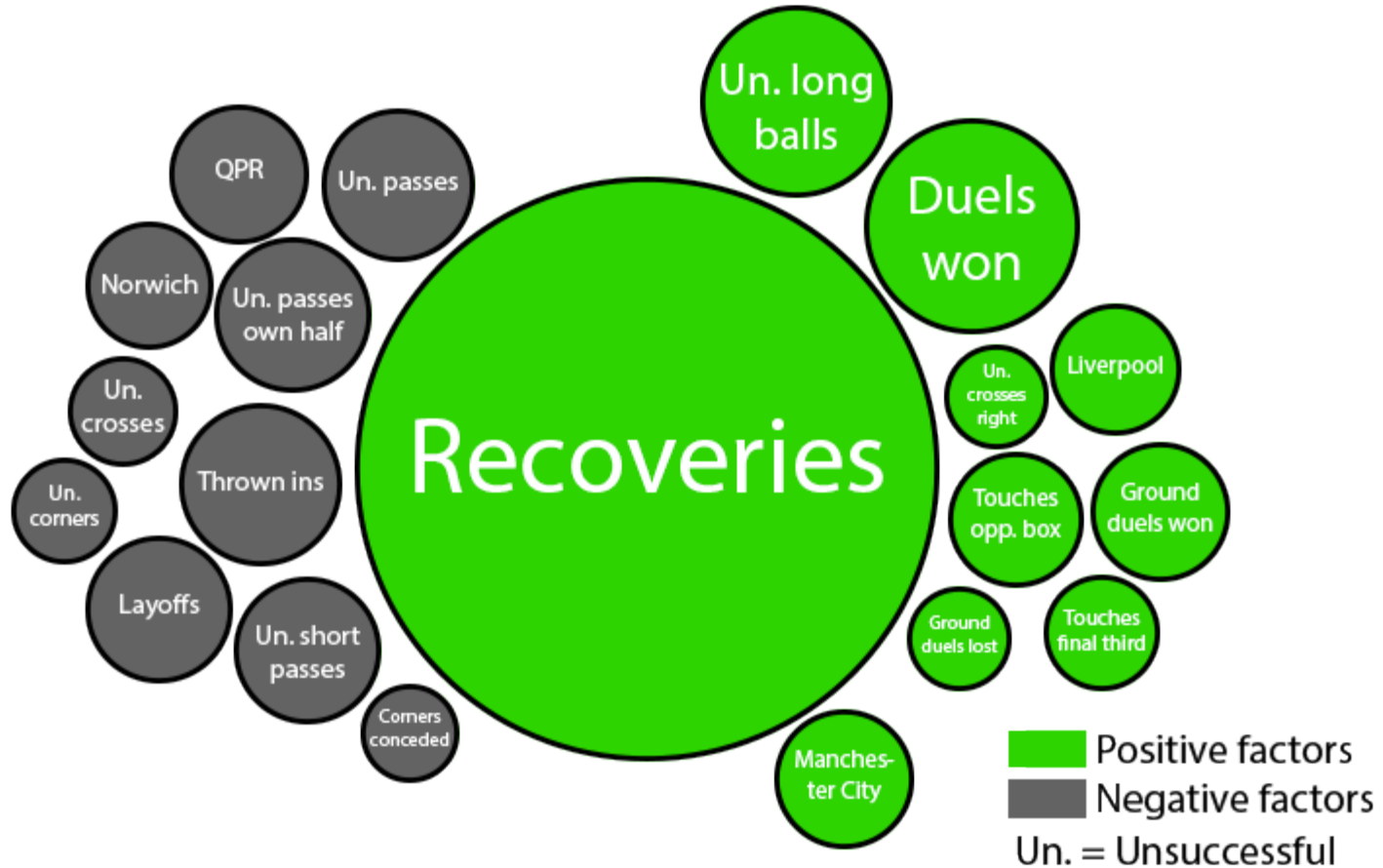
Most impactful features?



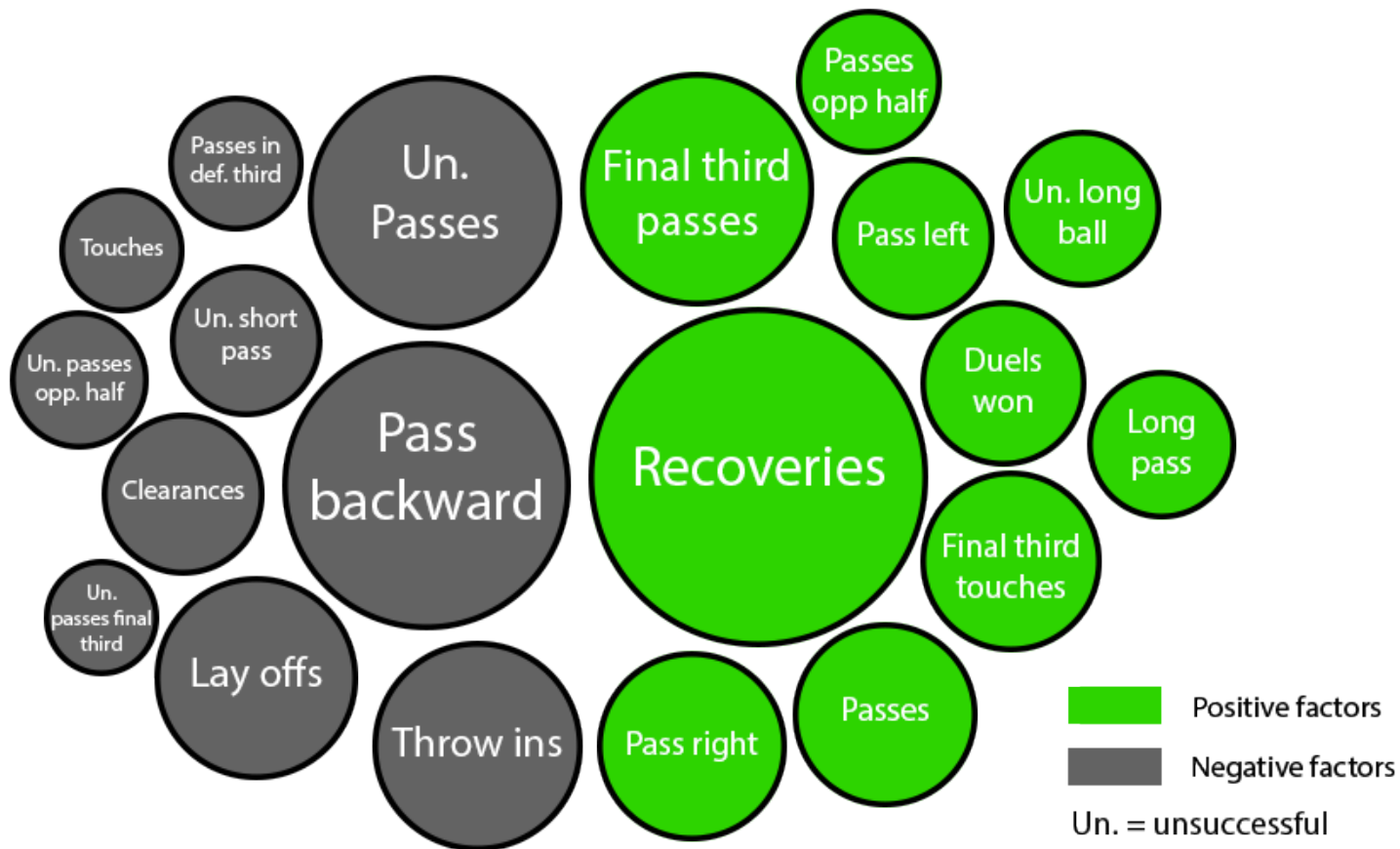
Salary



Fifa Ratings



Goals Conceded



Conclusions



Salary

Top True Defenders

1. Terry: 175000.0 (Predicted: 103724.6)
2. Kompany: 120000.0 (Predicted: 79169.1)
3. Lescott: 94000.0 (Predicted: 69714.5)
4. Skrtel: 90000.0 (Predicted: 51198.9)
5. Johnson: 90000.0 (Predicted: 59511.6)

Top Predicted Defenders

1. Terry: 103724.6 (Actual: 175000.0)
2. Stearman: 88953.9 (Actual: 70000.0)
3. Kompany: 79169.1 (Actual: 120000.0)
4. Evans: 73954.4 (Actual: 65000.0)
5. Kaboul: 72099.2 (Actual: 50000.0)

Fifa Rating

Top True Defenders

1. Kompany: 85.0 (Predicted: 81.1)
2. Cole: 84.0 (Predicted: 78.9)
3. Terry: 84.0 (Predicted: 82.8)
4. Ferdinand: 83.0 (Predicted: 79.9)
5. Sagna: 83.0 (Predicted: 78.1)

Top Predicted Defenders

1. Terry: 82.8 (Actual: 84.0)
2. Kompany: 81.1 (Actual: 85.0)
3. Evans: 80.7 (Actual: 77.0)
4. Evra: 80.5 (Actual: 83.0)
5. Williams: 80.3 (Actual: 76.0)

Goals Conceded

Top True Defenders

1. Jones: 31 (Predicted: 42.5)
2. Clichy: 27 (Predicted: 38.6)
3. Kompany: 27 (Predicted: 36.3)
4. Lescott: 27 (Predicted: 44.8)
5. Richards: 27 (Predicted: 48.4)

Top Predicted Defenders

1. Terry: 35.2 (Actual: 45)
2. Sagna: 35.8 (Actual: 44)
3. Kompany: 36.3 (Actual: 27)
4. Bosingwa: 37.1 (Actual: 45)
5. Evra: 37.1 (Actual: 31)





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