# Principal Component Analysis: Played, Win, Draw, Loss, Goals For, Goals Aga...

## Eigenanalysis of the Correlation Matrix

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Eigenvalue | 5.3188 | 1.2355 | 0.9894 | 0.3880 | 0.0683 | 0.0000 | 0.0000 | -0.0000 |
| Proportion | 0.665 | 0.154 | 0.124 | 0.049 | 0.009 | 0.000 | 0.000 | -0.000 |
| Cumulative | 0.665 | 0.819 | 0.943 | 0.991 | 1.000 | 1.000 | 1.000 | 1.000 |

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## Eigenvectors

| Variable | PC1 | PC2 | PC3 | PC4 | PC5 | PC6 | PC7 | PC8 |
|---|---|---|---|---|---|---|---|---|
| Played | 0.011 | 0.528 | 0.806 | -0.170 | -0.055 | -0.180 | -0.005 | 0.081 |
| Win | 0.421 | 0.189 | -0.024 | -0.032 | 0.385 | 0.351 | 0.716 | -0.040 |
| Draw | -0.057 | -0.713 | 0.584 | 0.208 | -0.019 | 0.279 | 0.118 | -0.107 |
| Loss | -0.406 | 0.289 | -0.050 | -0.113 | -0.404 | 0.690 | 0.018 | -0.310 |
| Goals For | 0.394 | 0.145 | -0.008 | 0.586 | -0.455 | 0.213 | -0.078 | 0.470 |
| Goals Against | -0.360 | 0.255 | 0.019 | 0.753 | 0.333 | -0.145 | 0.053 | -0.319 |
| Goal Difference | 0.430 | -0.019 | -0.014 | 0.050 | -0.459 | -0.317 | 0.116 | -0.698 |
| Points | 0.428 | 0.080 | 0.070 | 0.001 | 0.397 | 0.351 | -0.672 | -0.271 |



Scree Plot of Played, ..., Points