**S1 Table: Descriptive statistics for datasets**

|  | **Dataset**  |
| --- | --- |
|  | **BA** **(N = 1,179)**  | **WF-BA** **(N = 1,563)**  | **WF-ODDS** **(N = 167,912)**  | **WF-L** **(N = 171,949)**  | **WF-LT** **(N = 122,786)**  | **WFC** **(N = 72,426)**  | **WF-MAX93** **(N = 305,942)**  |
|  | **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** |
| **Goal difference at full time**  | -0.39  | 1.83  | -0.41  | 1.86  | -0.37  | 1.82  | -0.39  | 1.71  | -0.42  | 1.72  | -0.41  | 1.73  | -0.37  | 1.87  |
| **Victory by home team**  | 0.46  | 0.50  | 0.47  | 0.50  | 0.46  | 0.50  | 0.46  | 0.50  | 0.46  | 0.50  | 0.47  | 0.50  | 0.46  | 0.50  |
| **Victory by away team**  | 0.29  | 0.46  | 0.29  | 0.45  | 0.29  | 0.45  | 0.27  | 0.45  | 0.27  | 0.44  | 0.27  | 0.45  | 0.29  | 0.45  |
| **Final number of goals by home team**  | 1.53  | 1.30  | 1.54  | 1.33  | 1.55  | 1.33  | 1.51  | 1.27  | 1.53  | 1.29  | 1.53  | 1.29  | 1.56  | 1.35  |
| **Final number of goals by away team**  | 1.14  | 1.14  | 1.13  | 1.14  | 1.17  | 1.17  | 1.12  | 1.11  | 1.11  | 1.11  | 1.13  | 1.11  | 1.19  | 1.20  |
| **Goal home team between start of minute 45 and half time**  | 0.04  | 0.20  | 0.04  | 0.19  | 0.04  | 0.19  | 0.04  | 0.19  | 0.04  | 0.19  | 0.04  | 0.19  | 0.04  | 0.19  |
| **Goal away team between start of minute 45 and half time**  | 0.04  | 0.19  | 0.04  | 0.18  | 0.03  | 0.17  | 0.03  | 0.16  | 0.03  | 0.16  | 0.03  | 0.16  | 0.03  | 0.16  |
| **Goal home team between start of minute 44 and half time**  | 0.05  | 0.22  | 0.05  | 0.22  | 0.06  | 0.23  | 0.05  | 0.23  | 0.05  | 0.23  | 0.06  | 0.23  | 0.05  | 0.23  |
| **Goal away team between start of minute 44 and half time**  | 0.05  | 0.21  | 0.05  | 0.21  | 0.04  | 0.20  | 0.04  | 0.19  | 0.04  | 0.19  | 0.04  | 0.19  | 0.04  | 0.20  |
| **Goal home team between start of minute 43 and half time**  | 0.07  | 0.25  | 0.06  | 0.24  | 0.07  | 0.26  | 0.07  | 0.25  | 0.07  | 0.26  | 0.07  | 0.26  | 0.07  | 0.26  |
| **Goal away team between start of minute 43 and half time**  | 0.06  | 0.23  | 0.06  | 0.23  | 0.05  | 0.22  | 0.05  | 0.22  | 0.05  | 0.22  | 0.05  | 0.22  | 0.05  | 0.22  |
| **Goal home team between start of minute 42 and half time**  | 0.08  | 0.27  | 0.08  | 0.27  | 0.09  | 0.28  | 0.08  | 0.28  | 0.08  | 0.28  | 0.09  | 0.28  | 0.08  | 0.28  |
| **Goal away team between start of minute 42 and half time**  | 0.07  | 0.25  | 0.07  | 0.25  | 0.06  | 0.25  | 0.06  | 0.24  | 0.06  | 0.24  | 0.06  | 0.24  | 0.06  | 0.25  |
| **Goal home team between start of minute 41 and half time**  | 0.09  | 0.29  | 0.10  | 0.29  | 0.10  | 0.30  | 0.10  | 0.30  | 0.10  | 0.30  | 0.10  | 0.30  | 0.10  | 0.30  |
| **Goal away team between start of minute 41 and half time**  | 0.08  | 0.27  | 0.08  | 0.27  | 0.08  | 0.26  | 0.07  | 0.26  | 0.07  | 0.26  | 0.07  | 0.26  | 0.08  | 0.26  |
| **Goal difference at half time**  | -0.19  | 1.14  | -0.18  | 1.15  | -0.17  | 1.12  | -0.18  | 1.08  | -0.19  | 1.08  | -0.19  | 1.09  | -0.17  | 1.14  |
| **Number of goals home team during first half**  | 0.68  | 0.85  | 0.67  | 0.84  | 0.68  | 0.84  | 0.67  | 0.82  | 0.68  | 0.82  | 0.68  | 0.82  | 0.69  | 0.85  |
| **Last goal in first half by home team**  | 0.39  | 0.49  | 0.39  | 0.49  | 0.40  | 0.49  | 0.40  | 0.49  | 0.40  | 0.49  | 0.40  | 0.49  | 0.40  | 0.49  |
| **Last goal in first half by away team**  | 0.28  | 0.45  | 0.28  | 0.45  | 0.30  | 0.46  | 0.29  | 0.45  | 0.28  | 0.45  | 0.29  | 0.45  | 0.30  | 0.46  |
| **Goal difference (2nd halftime only)**  | -0.20  | 1.30  | -0.23  | 1.32  | -0.20  | 1.32  | -0.21  | 1.27  | -0.22  | 1.27  | -0.22  | 1.28  | -0.20  | 1.35  |
| **Home team goal arrival rate (estimated from betting odds)**  |    |    |    |    | 1.35  | 0.43  |    |    |    |    | 1.32  | 0.41  |    |    |
| **Away team goal arrival rate (estimated from betting odds)**  |    |    |    |    | 1.02  | 0.36  |    |    |    |    | 0.96  | 0.32  |    |    |
| **Game in UEFA Europa League**  | 0.44  | 0.50  | 0.52  | 0.50  | 0.01  | 0.11  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 0.12  |
| **Game in group phase**  | 0.70  | 0.46  |    |    |    |    |    |    |    |    |    |    |    |    |