# Create Ranks and Percentiles from Data

| A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|
| 2 | **RANK NUMBERS WITHOUT TIES** | | | | | |
| 3 | | | | | | |
| 4 | | | **RANK** | | **Percentile** | |
| 5 | **DATA** | Descend | Ascend | **%Rank** | Data | Ranks |
| 6 | 11 | 5 | 1 | 0.166 | 0 | 0 |
| 7 | 12 | 4 | 2 | 0.333 | 25 | 25 |
| 8 | 13 | 3 | 3 | 0.5 | 50 | 50 |
| 9 | 14 | 2 | 4 | 0.666 | 75 | 75 |
| 10 | 15 | 1 | 5 | 0.833 | 100 | 100 |
| 11 | | | | | | |
| 12 | B | C | D | E | F | G |
| 13 | **RANK NUMBERS WITH TIES IN MIDDLE (NOT THE ENDS)** | | | | | |
| 14 | | | | | | |
| 15 | | | **RANK** | | **PERCENTILE** | |
| 16 | **DATA** | RANK.eq | RANK.avg | **%Rank** | Data | Ranks |
| 17 | 11 | 1 | 1 | 0.166 | 0 | 0 |
| 18 | 12 | 2 | 2.5 | 0.333 | 50 | 25 |
| 19 | 12 | 2 | 2.5 | 0.333 | 50 | 25 |
| 20 | 14 | 4 | 4 | 0.666 | 75 | 75 |
| 21 | 15 | 5 | 5 | 0.833 | 100 | 100 |
| 22 | | | | | | |
| 23 | B | C | D | E | F | G |
| 24 | **RANK NUMBERS WITH TIES AT BOTH ENDS** | | | | | |
| 25 | | | | | | |
| 26 | | | **RANK** | | **PERCENTILE** | |
| 27 | **DATA** | RANK.eq | RANK.avg | **%Rank** | Data | Ranks |
| 28 | 11 | 1 | 1.5 | 0.166 | 25 | 0 |
| 29 | 11 | 1 | 1.5 | 0.166 | 25 | 0 |
| 30 | 13 | 3 | 3 | 0.5 | 50 | 50 |
| 31 | 15 | 4 | 4.5 | 0.666 | 100 | 75 |
| 32 | 15 | 4 | 4.5 | 0.666 | 100 | 75 |

| **Cell** | **Content** |
|---|---|
| C6 | =RANK.EQ(B6,B$6:B$10,0) |
| D6 | =RANK.EQ(B6,B$6:B$10,1) |
| E6 | =PERCENTRANK.EXC(B$6:B$10,B6) |
| F6 | =100*(1-((RANK.EQ(B6,B$6:B$10,0)-1)/(COUNTA(B$6:B$10)-1))) |
| G6 | =100*((D6-1)/(COUNTA(D$6:D$10)-1)) |

| **Cell** | **Content** |
|---|---|
| C17 | =RANK.EQ(B17,B$17:B$21,1) |
| D17 | =RANK.AVG(B17,B$17:B$21,1) |
| E17 | =PERCENTRANK.EXC(B$17:B$21,B17) |
| F17 | =100*(1-((RANK.EQ(B17,B$17:B$21,0)-1)/(COUNTA(B$17:B$21)-1))) |
| G17 | =100*(C17-1)/(COUNTA(C$17:C$21)-1) |

#NUM!

| **Cell** | **Content** |
|---|---|
| C28 | =RANK.EQ(B28,B$28:B$32,1) |
| D28 | =RANK.AVG(B28,B$28:B$32,1) |
| E28 | =PERCENTRANK.EXC(B$28:B$32,B28) |
| F28 | =100*(1-((RANK.EQ(B28,B$28:B$32,0)-1)/(COUNTA(B$28:B$32)-1))) |
| G28 | =100*(C28-1)/(COUNTA(C$28:C$32)-1) |