

projet

Kevin Chen

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```
library(readr)
data=read.csv("champions.csv",sep=';',row.names=1)
data$CLASS=as.factor(data$CLASS)
data$POSITION=as.factor(data$POSITION)
print(data)
```

| | HP | X.HP | AD | X.AD | AS | X.AS | AR | X.AR | MR | X.MR | MS | Range |
|--------------|-----|------|----|--------|-------|--------|----|------|----|------|-----|-------|
| Aatrox | 650 | 114 | 60 | 5.0000 | 0.651 | 2.5% | 38 | 4.45 | 32 | 2.05 | 345 | 175 |
| Ahri | 590 | 96 | 53 | 3.0000 | 0.668 | 2 % | 21 | 4.70 | 30 | 1.30 | 330 | 550 |
| Akali | 570 | 119 | 62 | 3.3000 | 0.625 | 3.2% | 23 | 4.70 | 37 | 2.05 | 345 | 125 |
| Akshan | 630 | 104 | 52 | 3.5000 | 0.638 | 4 % | 26 | 4.20 | 30 | 1.30 | 330 | 500 |
| Alistar | 685 | 120 | 62 | 3.7500 | 0.625 | 2.125% | 47 | 4.70 | 32 | 2.05 | 330 | 125 |
| Amumu | 685 | 94 | 53 | 3.8000 | 0.736 | 2.18% | 30 | 4.00 | 32 | 2.05 | 335 | 125 |
| Anivia | 550 | 92 | 51 | 3.2000 | 0.625 | 1.68% | 21 | 4.90 | 30 | 1.30 | 325 | 600 |
| Annie | 560 | 102 | 50 | 2.6500 | 0.579 | 1.36% | 19 | 4.70 | 30 | 1.30 | 335 | 625 |
| Aphelios | 580 | 102 | 55 | 3.0000 | 0.640 | 2.1% | 26 | 4.20 | 30 | 1.30 | 325 | 550 |
| Ashe | 640 | 101 | 59 | 2.9500 | 0.658 | 3.33% | 26 | 4.60 | 30 | 1.30 | 325 | 600 |
| Aurelion Sol | 620 | 95 | 55 | 3.2000 | 0.625 | 1.5% | 22 | 4.30 | 30 | 1.30 | 325 | 550 |
| Azir | 550 | 119 | 52 | 3.5000 | 0.625 | 6 % | 22 | 5.00 | 30 | 1.30 | 335 | 525 |
| Bard | 630 | 103 | 52 | 3.0000 | 0.625 | 2 % | 34 | 5.20 | 30 | 1.30 | 330 | 500 |
| Bel'Veth | 610 | 99 | 60 | 1.7000 | 0.850 | 0 % | 32 | 4.70 | 32 | 2.05 | 340 | 175 |
| Blitzcrank | 633 | 109 | 62 | 3.5000 | 0.650 | 1.13% | 40 | 4.70 | 28 | 2.05 | 325 | 125 |
| Brand | 590 | 102 | 57 | 3.0000 | 0.625 | 1.36% | 22 | 4.70 | 30 | 1.30 | 340 | 550 |
| Braum | 640 | 112 | 55 | 3.2000 | 0.644 | 3.5% | 47 | 5.20 | 32 | 2.05 | 335 | 125 |
| Caitlyn | 580 | 107 | 60 | 3.8000 | 0.681 | 4 % | 27 | 4.70 | 30 | 1.30 | 325 | 650 |
| Camille | 646 | 99 | 68 | 3.5000 | 0.644 | 2.5% | 35 | 5.00 | 32 | 2.05 | 340 | 125 |
| Cassiopeia | 630 | 104 | 53 | 3.0000 | 0.647 | 1.5% | 18 | 4.70 | 32 | 1.30 | 328 | 550 |
| Cho'Gath | 644 | 94 | 69 | 4.2000 | 0.625 | 1.44% | 38 | 5.00 | 32 | 2.05 | 345 | 125 |
| Corki | 588 | 105 | 55 | 2.8000 | 0.638 | 2.3% | 28 | 4.70 | 30 | 1.30 | 325 | 550 |
| Darius | 652 | 114 | 64 | 5.0000 | 0.625 | 1 % | 39 | 5.20 | 32 | 2.05 | 340 | 175 |
| Diana | 640 | 109 | 57 | 3.0000 | 0.625 | 2.25% | 31 | 4.30 | 32 | 2.05 | 345 | 150 |
| Dr. Mundo | 613 | 103 | 61 | 2.5000 | 0.670 | 3.3% | 32 | 3.70 | 29 | 2.30 | 345 | 125 |
| Draven | 675 | 104 | 62 | 3.6000 | 0.679 | 2.7% | 29 | 4.50 | 30 | 1.30 | 330 | 550 |
| Ekko | 655 | 99 | 58 | 3.0000 | 0.688 | 3.3% | 32 | 4.20 | 32 | 2.05 | 340 | 125 |
| Elise | 650 | 109 | 55 | 3.0000 | 0.625 | 1.75% | 30 | 5.20 | 30 | 1.30 | 330 | 550 |
| Evelynn | 642 | 98 | 61 | 3.0000 | 0.667 | 2.1% | 37 | 4.70 | 32 | 2.05 | 335 | 125 |
| Ezreal | 600 | 102 | 60 | 2.5000 | 0.625 | 2.5% | 24 | 4.70 | 30 | 1.30 | 325 | 550 |
| Fiddlesticks | 650 | 106 | 55 | 2.6500 | 0.625 | 2.11% | 34 | 4.70 | 30 | 1.30 | 335 | 480 |
| Fiora | 620 | 99 | 68 | 3.3000 | 0.690 | 3.2% | 33 | 4.70 | 32 | 2.05 | 345 | 150 |
| Fizz | 640 | 106 | 58 | 3.0000 | 0.658 | 3.1% | 22 | 4.60 | 32 | 2.05 | 335 | 175 |
| Galio | 632 | 126 | 59 | 3.5000 | 0.625 | 1.5% | 24 | 4.70 | 32 | 2.05 | 335 | 150 |
| Gangplank | 600 | 114 | 64 | 3.7000 | 0.658 | 3.2% | 31 | 4.20 | 32 | 2.05 | 345 | 125 |
| Garen | 690 | 98 | 66 | 4.5000 | 0.625 | 3.65% | 36 | 4.20 | 32 | 1.55 | 340 | 175 |

| | | | | | | | | | | | | | |
|----|----------------|-----|-----|----|--------|-------|--------|----|------|----|------|-----|-----|
| ## | Gnar | 540 | 79 | 57 | 3.0000 | 0.625 | 6 % | 32 | 3.70 | 30 | 1.30 | 335 | 400 |
| ## | Gragas | 670 | 109 | 64 | 3.5000 | 0.675 | 2.05% | 38 | 4.80 | 32 | 2.05 | 330 | 125 |
| ## | Graves | 625 | 106 | 68 | 4.0000 | 0.475 | 2.6% | 33 | 4.60 | 32 | 2.05 | 340 | 425 |
| ## | Gwen | 620 | 109 | 63 | 3.0000 | 0.690 | 2.25% | 39 | 5.20 | 32 | 2.05 | 340 | 150 |
| ## | Hecarim | 625 | 99 | 66 | 3.2000 | 0.670 | 2.5% | 32 | 5.45 | 32 | 2.05 | 345 | 175 |
| ## | Heimerdinger | 558 | 101 | 56 | 2.7000 | 0.625 | 1.36% | 19 | 4.20 | 30 | 1.30 | 340 | 550 |
| ## | Illaoi | 656 | 109 | 68 | 5.0000 | 0.625 | 2.5% | 35 | 5.00 | 32 | 2.05 | 350 | 125 |
| ## | Irelia | 590 | 124 | 65 | 4.0000 | 0.656 | 2.5% | 36 | 4.70 | 30 | 2.05 | 335 | 200 |
| ## | Ivern | 655 | 99 | 50 | 3.0000 | 0.644 | 3.4% | 27 | 4.70 | 32 | 2.05 | 330 | 475 |
| ## | Janna | 570 | 84 | 52 | 3.0000 | 0.625 | 3 % | 28 | 5.00 | 30 | 1.30 | 325 | 500 |
| ## | Jarvan IV | 640 | 104 | 64 | 3.4000 | 0.658 | 2.5% | 36 | 4.80 | 32 | 2.05 | 340 | 175 |
| ## | Jax | 665 | 100 | 68 | 4.2500 | 0.638 | 3.4% | 36 | 4.20 | 32 | 2.05 | 350 | 125 |
| ## | Jayce | 590 | 109 | 57 | 4.2500 | 0.658 | 3 % | 22 | 5.00 | 30 | 1.30 | 335 | 125 |
| ## | Jhin | 655 | 107 | 59 | 4.7000 | 0.625 | 3 % | 24 | 4.70 | 30 | 1.30 | 330 | 550 |
| ## | Jinx | 630 | 100 | 59 | 3.4000 | 0.625 | 1.36% | 26 | 4.70 | 30 | 1.30 | 325 | 525 |
| ## | K'Sante | 610 | 114 | 64 | 3.5000 | 0.625 | 2.5% | 33 | 4.70 | 30 | 2.10 | 330 | 175 |
| ## | Kai'Sa | 670 | 102 | 59 | 2.0000 | 0.644 | 1.8% | 28 | 4.20 | 30 | 1.30 | 335 | 525 |
| ## | Kalista | 574 | 114 | 66 | 3.7500 | 0.694 | 4.5% | 24 | 5.20 | 30 | 1.30 | 330 | 525 |
| ## | Karma | 604 | 109 | 51 | 3.3000 | 0.625 | 2.3% | 28 | 5.00 | 30 | 1.30 | 335 | 525 |
| ## | Karthus | 620 | 110 | 46 | 3.2500 | 0.625 | 2.11% | 21 | 4.70 | 30 | 1.30 | 335 | 450 |
| ## | Kassadin | 646 | 119 | 59 | 3.9000 | 0.640 | 3.7% | 19 | 4.00 | 30 | 1.30 | 335 | 150 |
| ## | Katarina | 672 | 108 | 58 | 3.2000 | 0.658 | 2.74% | 28 | 4.70 | 32 | 2.05 | 335 | 125 |
| ## | Kayle | 670 | 92 | 50 | 2.5000 | 0.625 | 1.5% | 26 | 4.20 | 22 | 1.30 | 335 | 175 |
| ## | Kayn | 655 | 109 | 68 | 3.3000 | 0.669 | 2.7% | 38 | 4.50 | 32 | 2.05 | 340 | 175 |
| ## | Kennen | 611 | 98 | 48 | 3.7500 | 0.625 | 3.4% | 29 | 4.95 | 30 | 1.30 | 335 | 550 |
| ## | Kha'Zix | 643 | 99 | 63 | 3.1000 | 0.668 | 2.7% | 36 | 4.20 | 32 | 2.05 | 350 | 125 |
| ## | Kindred | 610 | 99 | 65 | 2.5000 | 0.625 | 3.5% | 29 | 4.70 | 30 | 1.30 | 325 | 500 |
| ## | Kled & Skaarl | 810 | 144 | 65 | 3.5000 | 0.625 | 3.5% | 35 | 5.20 | 28 | 2.05 | 345 | 125 |
| ## | Kog'Maw | 635 | 99 | 61 | 3.1000 | 0.665 | 2.65% | 24 | 4.45 | 30 | 1.30 | 330 | 500 |
| ## | LeBlanc | 598 | 111 | 55 | 3.5000 | 0.625 | 1.4% | 22 | 4.70 | 30 | 1.30 | 340 | 525 |
| ## | Lee Sin | 645 | 105 | 66 | 3.7000 | 0.651 | 3 % | 34 | 4.90 | 32 | 2.05 | 345 | 125 |
| ## | Leona | 646 | 101 | 60 | 3.0000 | 0.625 | 2.9% | 47 | 4.80 | 32 | 2.05 | 335 | 125 |
| ## | Lillia | 605 | 105 | 61 | 3.1000 | 0.625 | 2.7% | 22 | 5.20 | 32 | 1.55 | 330 | 325 |
| ## | Lissandra | 620 | 110 | 55 | 2.7000 | 0.656 | 1.36% | 22 | 4.90 | 30 | 1.30 | 325 | 550 |
| ## | Lucian | 641 | 100 | 60 | 2.9000 | 0.638 | 3.3% | 28 | 4.20 | 30 | 1.30 | 335 | 500 |
| ## | Lulu | 595 | 88 | 47 | 2.6000 | 0.625 | 2.25% | 29 | 4.90 | 30 | 1.30 | 330 | 550 |
| ## | Lux | 560 | 99 | 54 | 3.3000 | 0.669 | 2 % | 19 | 5.20 | 30 | 1.30 | 330 | 550 |
| ## | Malphite | 644 | 104 | 62 | 4.0000 | 0.736 | 3.4% | 37 | 4.95 | 28 | 2.05 | 335 | 125 |
| ## | Malzahar | 580 | 101 | 55 | 3.0000 | 0.625 | 1.5% | 18 | 4.70 | 30 | 1.30 | 335 | 500 |
| ## | Maokai | 635 | 109 | 64 | 3.3000 | 0.800 | 2.125% | 39 | 5.20 | 32 | 2.05 | 335 | 125 |
| ## | Master Yi | 669 | 100 | 65 | 2.2000 | 0.679 | 2 % | 33 | 4.20 | 32 | 2.05 | 355 | 175 |
| ## | Milio | 560 | 88 | 48 | 3.2000 | 0.625 | 3 % | 28 | 4.90 | 30 | 1.30 | 330 | 525 |
| ## | Miss Fortune | 640 | 103 | 52 | 2.4000 | 0.656 | 3 % | 28 | 4.20 | 30 | 1.30 | 325 | 550 |
| ## | Mordekaiser | 645 | 104 | 61 | 4.0000 | 0.625 | 1 % | 37 | 4.20 | 32 | 2.05 | 335 | 175 |
| ## | Morgana | 630 | 104 | 56 | 3.5000 | 0.625 | 1.53% | 25 | 5.00 | 30 | 1.30 | 335 | 450 |
| ## | Nami | 560 | 88 | 51 | 3.1000 | 0.644 | 2.61% | 29 | 5.20 | 30 | 1.30 | 335 | 550 |
| ## | Nasus | 631 | 104 | 67 | 3.5000 | 0.638 | 3.48% | 34 | 4.70 | 32 | 2.05 | 350 | 125 |
| ## | Nautilus | 646 | 100 | 61 | 3.3000 | 0.706 | 1 % | 39 | 4.95 | 32 | 2.05 | 325 | 175 |
| ## | Neeko | 610 | 104 | 48 | 2.5000 | 0.625 | 3.5% | 21 | 5.20 | 30 | 1.30 | 340 | 550 |
| ## | Nidalee | 610 | 109 | 58 | 3.5000 | 0.638 | 3.22% | 28 | 4.70 | 30 | 1.30 | 335 | 525 |
| ## | Nilah | 570 | 101 | 58 | 2.0000 | 0.697 | 3 % | 27 | 4.20 | 32 | 2.05 | 340 | 225 |
| ## | Nocturne | 655 | 109 | 62 | 2.6000 | 0.721 | 2.7% | 38 | 4.70 | 32 | 1.55 | 345 | 125 |
| ## | Nunu & Willump | 610 | 90 | 61 | 3.0000 | 0.625 | 2.25% | 29 | 4.20 | 32 | 2.05 | 345 | 125 |
| ## | Olaf | 645 | 119 | 68 | 4.7000 | 0.694 | 2.7% | 35 | 4.20 | 32 | 2.05 | 350 | 125 |

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|-----------------|-----|-----|----|--------|-------|--------|----|------|----|------|-----|-----|
| ## Orianna | 600 | 105 | 40 | 2.6000 | 0.658 | 3.5% | 20 | 4.20 | 26 | 1.30 | 325 | 525 |
| ## Ornn | 660 | 109 | 69 | 3.5000 | 0.625 | 2 % | 33 | 5.20 | 32 | 2.05 | 335 | 175 |
| ## Pantheon | 650 | 109 | 64 | 3.3000 | 0.658 | 2.95% | 40 | 4.95 | 28 | 2.05 | 345 | 175 |
| ## Poppy | 610 | 104 | 64 | 4.0000 | 0.625 | 2.5% | 38 | 4.70 | 32 | 2.05 | 345 | 125 |
| ## Pyke | 670 | 104 | 62 | 2.0000 | 0.667 | 2.5% | 45 | 4.70 | 32 | 2.05 | 330 | 150 |
| ## Qiyana | 590 | 124 | 66 | 3.1000 | 0.688 | 2.1% | 28 | 4.70 | 32 | 2.05 | 335 | 150 |
| ## Quinn | 603 | 99 | 59 | 2.4000 | 0.668 | 3.1% | 28 | 4.70 | 30 | 1.30 | 335 | 525 |
| ## Rakan | 610 | 99 | 62 | 3.5000 | 0.635 | 3 % | 32 | 5.10 | 32 | 2.05 | 335 | 300 |
| ## Rammus | 675 | 94 | 55 | 2.7500 | 0.656 | 2.215% | 40 | 5.50 | 32 | 2.05 | 335 | 125 |
| ## Rek'Sai | 640 | 99 | 61 | 3.0000 | 0.667 | 2 % | 36 | 4.95 | 32 | 2.05 | 335 | 175 |
| ## Rell | 610 | 104 | 55 | 3.0000 | 0.550 | 2 % | 32 | 4.20 | 32 | 2.05 | 335 | 175 |
| ## Renata Glasc | 545 | 94 | 49 | 3.0000 | 0.625 | 2.11% | 27 | 4.70 | 30 | 1.30 | 330 | 550 |
| ## Renekton | 660 | 111 | 69 | 4.1500 | 0.665 | 2.75% | 35 | 5.20 | 32 | 2.05 | 345 | 125 |
| ## Rengar | 620 | 104 | 68 | 3.0000 | 0.667 | 3 % | 34 | 4.20 | 32 | 2.05 | 345 | 125 |
| ## Riven | 630 | 100 | 64 | 3.0000 | 0.625 | 3.5% | 33 | 4.40 | 32 | 2.05 | 340 | 125 |
| ## Rumble | 659 | 99 | 61 | 3.2000 | 0.644 | 1.85% | 36 | 4.70 | 28 | 1.55 | 345 | 125 |
| ## Ryze | 645 | 124 | 58 | 3.0000 | 0.625 | 2.11% | 22 | 4.20 | 32 | 1.30 | 340 | 550 |
| ## Samira | 600 | 108 | 57 | 3.3000 | 0.658 | 3.3% | 26 | 4.70 | 30 | 1.30 | 335 | 500 |
| ## Sejuani | 630 | 114 | 66 | 4.0000 | 0.688 | 3.5% | 34 | 5.45 | 32 | 2.05 | 340 | 150 |
| ## Senna | 530 | 89 | 50 | 0.0000 | 0.625 | 4 % | 28 | 4.70 | 30 | 1.30 | 330 | 600 |
| ## Seraphine | 570 | 104 | 55 | 3.0000 | 0.669 | 1 % | 19 | 4.20 | 30 | 1.30 | 325 | 525 |
| ## Sett | 670 | 114 | 60 | 4.0000 | 0.625 | 1.75% | 33 | 5.20 | 28 | 2.05 | 340 | 125 |
| ## Shaco | 630 | 99 | 63 | 3.0000 | 0.694 | 3 % | 30 | 4.00 | 32 | 2.05 | 345 | 125 |
| ## Shen | 610 | 99 | 60 | 3.0000 | 0.751 | 3 % | 34 | 4.20 | 32 | 2.05 | 340 | 125 |
| ## Shyvana | 665 | 109 | 66 | 3.4000 | 0.658 | 2.5% | 38 | 4.55 | 32 | 2.05 | 350 | 125 |
| ## Singed | 650 | 99 | 63 | 3.4000 | 0.613 | 1.9% | 34 | 4.70 | 32 | 2.05 | 345 | 125 |
| ## Sion | 655 | 87 | 68 | 4.0000 | 0.679 | 1.3% | 32 | 4.20 | 32 | 2.05 | 345 | 175 |
| ## Sivir | 600 | 104 | 58 | 2.8000 | 0.625 | 2 % | 26 | 4.45 | 30 | 1.30 | 335 | 500 |
| ## Skarner | 650 | 99 | 65 | 4.5000 | 0.625 | 2.1% | 38 | 5.00 | 32 | 2.05 | 335 | 125 |
| ## Sona | 550 | 91 | 49 | 3.0000 | 0.644 | 2.3% | 26 | 4.20 | 30 | 1.30 | 325 | 550 |
| ## Soraka | 605 | 88 | 50 | 3.0000 | 0.625 | 2.14% | 32 | 5.00 | 30 | 1.30 | 325 | 550 |
| ## Swain | 595 | 99 | 58 | 2.7000 | 0.625 | 2.11% | 26 | 5.20 | 30 | 1.30 | 330 | 525 |
| ## Sylas | 575 | 129 | 61 | 3.0000 | 0.645 | 3.5% | 27 | 5.20 | 32 | 2.55 | 340 | 175 |
| ## Syndra | 563 | 104 | 54 | 2.9000 | 0.625 | 2 % | 25 | 4.60 | 30 | 1.30 | 330 | 550 |
| ## Tahm Kench | 640 | 103 | 56 | 3.2000 | 0.658 | 2.5% | 42 | 4.70 | 32 | 2.05 | 335 | 175 |
| ## Taliyah | 550 | 104 | 58 | 3.3000 | 0.625 | 1.36% | 18 | 4.70 | 30 | 1.30 | 330 | 525 |
| ## Talon | 658 | 109 | 68 | 3.1000 | 0.625 | 2.9% | 30 | 4.70 | 39 | 2.05 | 335 | 125 |
| ## Taric | 645 | 99 | 55 | 3.5000 | 0.625 | 2 % | 40 | 4.60 | 28 | 2.05 | 340 | 150 |
| ## Teemo | 598 | 104 | 54 | 3.0000 | 0.690 | 3.38% | 24 | 4.95 | 30 | 1.30 | 330 | 500 |
| ## Thresh | 600 | 120 | 56 | 2.2000 | 0.625 | 3.5% | 28 | 0.00 | 30 | 1.30 | 330 | 450 |
| ## Tristana | 670 | 102 | 59 | 3.7000 | 0.656 | 1.5% | 26 | 4.20 | 30 | 1.30 | 325 | 525 |
| ## Trundle | 686 | 110 | 68 | 3.0000 | 0.600 | 2.9% | 37 | 3.90 | 32 | 2.05 | 350 | 175 |
| ## Tryndamere | 696 | 115 | 72 | 4.0000 | 0.670 | 2.9% | 33 | 4.30 | 32 | 2.05 | 345 | 125 |
| ## Twisted Fate | 604 | 108 | 52 | 3.3000 | 0.651 | 3.22% | 21 | 4.35 | 30 | 1.30 | 330 | 525 |
| ## Twitch | 682 | 100 | 59 | 3.1000 | 0.679 | 3.38% | 27 | 4.20 | 30 | 1.30 | 330 | 550 |
| ## Udyr | 664 | 92 | 62 | 4.0000 | 0.650 | 3 % | 31 | 4.70 | 32 | 2.05 | 350 | 125 |
| ## Urgot | 655 | 102 | 63 | 4.0000 | 0.625 | 3.75% | 36 | 5.45 | 32 | 2.05 | 330 | 350 |
| ## Varus | 600 | 105 | 62 | 3.4000 | 0.658 | 4 % | 27 | 4.60 | 30 | 1.30 | 330 | 575 |
| ## Vayne | 550 | 103 | 60 | 2.3500 | 0.658 | 3.3% | 23 | 4.60 | 30 | 1.30 | 330 | 550 |
| ## Veigar | 550 | 108 | 52 | 2.7000 | 0.625 | 2.24% | 18 | 5.20 | 32 | 1.30 | 340 | 550 |
| ## Vel'Koz | 590 | 102 | 55 | 3.1416 | 0.625 | 1.36% | 22 | 4.70 | 30 | 1.30 | 340 | 525 |
| ## Vex | 590 | 104 | 54 | 2.7500 | 0.669 | 1 % | 23 | 4.45 | 28 | 1.30 | 335 | 550 |
| ## Vi | 655 | 99 | 63 | 3.0000 | 0.644 | 2 % | 30 | 4.70 | 32 | 2.05 | 340 | 125 |
| ## Viego | 630 | 109 | 57 | 3.5000 | 0.658 | 2.5% | 34 | 5.20 | 32 | 2.05 | 345 | 200 |

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|----|--------------|-----|-----|----|------------|-------|-------|----|------|----|------|---------|-----|
| ## | Viktor | 600 | 104 | 53 | 3.0000 | 0.658 | 2.11% | 23 | 5.20 | 30 | 1.30 | 335 | 525 |
| ## | Vladimir | 607 | 110 | 55 | 3.0000 | 0.658 | 2 % | 27 | 4.50 | 30 | 1.30 | 330 | 450 |
| ## | Volibear | 650 | 104 | 60 | 3.5000 | 0.625 | 2 % | 31 | 5.20 | 32 | 2.05 | 340 | 150 |
| ## | Warwick | 620 | 99 | 65 | 3.0000 | 0.638 | 2.3% | 33 | 4.40 | 32 | 2.05 | 335 | 125 |
| ## | Wukong | 610 | 99 | 66 | 3.5000 | 0.680 | 3 % | 31 | 4.70 | 28 | 2.05 | 340 | 175 |
| ## | Xayah | 660 | 102 | 60 | 3.5000 | 0.658 | 3.9% | 25 | 4.20 | 30 | 1.30 | 330 | 525 |
| ## | Xerath | 596 | 106 | 55 | 3.0000 | 0.625 | 1.36% | 22 | 4.70 | 30 | 1.30 | 340 | 525 |
| ## | Xin Zhao | 640 | 106 | 63 | 3.0000 | 0.645 | 3.5% | 35 | 4.70 | 32 | 2.05 | 345 | 175 |
| ## | Yasuo | 590 | 101 | 60 | 3.0000 | 0.697 | 3.5% | 30 | 4.60 | 32 | 2.05 | 345 | 175 |
| ## | Yone | 620 | 99 | 60 | 2.0000 | 0.625 | 3.5% | 28 | 4.60 | 32 | 2.05 | 345 | 175 |
| ## | Yorick | 650 | 114 | 62 | 5.0000 | 0.625 | 2 % | 39 | 5.20 | 32 | 2.05 | 340 | 175 |
| ## | Yuumi | 500 | 69 | 49 | 3.1000 | 0.625 | 1 % | 25 | 4.20 | 25 | 1.10 | 330 | 425 |
| ## | Zac | 685 | 109 | 60 | 3.4000 | 0.736 | 1.6% | 33 | 4.70 | 32 | 2.05 | 340 | 175 |
| ## | Zed | 654 | 99 | 63 | 3.4000 | 0.651 | 3.3% | 32 | 4.70 | 29 | 2.05 | 345 | 125 |
| ## | Zeri | 630 | 110 | 53 | 1.3000 | 0.658 | 2 % | 24 | 4.20 | 30 | 1.30 | 330 | 500 |
| ## | Ziggs | 606 | 106 | 54 | 3.1000 | 0.656 | 2 % | 22 | 4.50 | 30 | 1.30 | 325 | 550 |
| ## | Zilean | 574 | 96 | 52 | 3.0000 | 0.625 | 2.13% | 24 | 5.00 | 30 | 1.30 | 335 | 550 |
| ## | Zoe | 630 | 106 | 58 | 3.3000 | 0.625 | 2.5% | 21 | 4.70 | 30 | 1.30 | 340 | 550 |
| ## | Zyra | 574 | 93 | 53 | 3.2000 | 0.625 | 2.11% | 29 | 4.20 | 30 | 1.30 | 340 | 575 |
| ## | | | | | | | | | | | | | |
| ## | | | | | | | | | | | | | |
| ## | Aatrox | | | | Fighter | | | | | | | Top | |
| ## | Ahri | | | | Mage | | | | | | | Mid | |
| ## | Akali | | | | Assassin | | | | | | | Mid | |
| ## | Akshan | | | | Marksman | | | | | | | Mid | |
| ## | Alistar | | | | Tank | | | | | | | Support | |
| ## | Amumu | | | | Tank | | | | | | | Support | |
| ## | Anivia | | | | Mage | | | | | | | Mid | |
| ## | Annie | | | | Mage | | | | | | | Mid | |
| ## | Aphelios | | | | Marksman | | | | | | | ADC | |
| ## | Ashe | | | | Marksman | | | | | | | ADC | |
| ## | Aurelion Sol | | | | Mage | | | | | | | Mid | |
| ## | Azir | | | | Specialist | | | | | | | Mid | |
| ## | Bard | | | | Mage | | | | | | | Support | |
| ## | Bel'Veth | | | | Duelist | | | | | | | Jungle | |
| ## | Blitzcrank | | | | Tank | | | | | | | Support | |
| ## | Brand | | | | Mage | | | | | | | Support | |
| ## | Braum | | | | Tank | | | | | | | Support | |
| ## | Caitlyn | | | | Marksman | | | | | | | ADC | |
| ## | Camille | | | | Fighter | | | | | | | Top | |
| ## | Cassiopeia | | | | Mage | | | | | | | Mid | |
| ## | Cho'Gath | | | | Specialist | | | | | | | Top | |
| ## | Corki | | | | Marksman | | | | | | | Mid | |
| ## | Darius | | | | Fighter | | | | | | | Top | |
| ## | Diana | | | | Assassin | | | | | | | Jungle | |
| ## | Dr. Mundo | | | | Fighter | | | | | | | Top | |
| ## | Draven | | | | Marksman | | | | | | | ADC | |
| ## | Ekko | | | | Assassin | | | | | | | Mid | |
| ## | Elise | | | | Assassin | | | | | | | Jungle | |
| ## | Evelynn | | | | Assassin | | | | | | | Support | |
| ## | Ezreal | | | | Marksman | | | | | | | ADC | |
| ## | Fiddlesticks | | | | Specialist | | | | | | | Jungle | |
| ## | Fiora | | | | Duelist | | | | | | | Top | |
| ## | Fizz | | | | Assassin | | | | | | | Mid | |
| ## | Galio | | | | Tank | | | | | | | Mid | |

| | | | |
|----|---------------|------------|---------|
| ## | Gangplank | Specialist | Top |
| ## | Garen | Fighter | Top |
| ## | Gnar | Specialist | Top |
| ## | Gragas | Tank | Top |
| ## | Graves | Specialist | Jungle |
| ## | Gwen | Duelist | Top |
| ## | Hecarim | Fighter | Jungle |
| ## | Heimerdinger | Specialist | Support |
| ## | Illaoi | Fighter | Top |
| ## | Irelia | Fighter | Top |
| ## | Ivern | Mage | Jungle |
| ## | Janna | Enchanter | Support |
| ## | Jarvan IV | Fighter | Jungle |
| ## | Jax | Duelist | Top |
| ## | Jayce | Mage | Mid |
| ## | Jhin | Marksman | ADC |
| ## | Jinx | Marksman | ADC |
| ## | K'Sante | Fighter | Top |
| ## | Kai'Sa | Marksman | ADC |
| ## | Kalista | Marksman | ADC |
| ## | Karma | Enchanter | Support |
| ## | Karthus | Mage | Jungle |
| ## | Kassadin | Assassin | Mid |
| ## | Katarina | Assassin | Mid |
| ## | Kayle | Specialist | Top |
| ## | Kayn | Assassin | Jungle |
| ## | Kennen | Specialist | Top |
| ## | Kha'Zix | Assassin | Jungle |
| ## | Kindred | Marksman | Jungle |
| ## | Kled & Skaarl | Duelist | Top |
| ## | Kog'Maw | Marksman | ADC |
| ## | LeBlanc | Mage | Mid |
| ## | Lee Sin | Fighter | Jungle |
| ## | Leona | Tank | Support |
| ## | Lillia | Fighter | Jungle |
| ## | Lissandra | Mage | Mid |
| ## | Lucian | Marksman | ADC |
| ## | Lulu | Enchanter | Support |
| ## | Lux | Mage | Support |
| ## | Malphite | Tank | Top |
| ## | Malzahar | Mage | Mid |
| ## | Maokai | Tank | Jungle |
| ## | Master Yi | Duelist | Jungle |
| ## | Milio | Enchanter | Support |
| ## | Miss Fortune | Marksman | ADC |
| ## | Mordekaiser | Fighter | Top |
| ## | Morgana | Mage | Support |
| ## | Nami | Enchanter | Support |
| ## | Nasus | Fighter | Top |
| ## | Nautilus | Tank | Support |
| ## | Neeko | Mage | Mid |
| ## | Nidalee | Specialist | Jungle |
| ## | Nilah | Duelist | ADC |
| ## | Nocturne | Assassin | Jungle |

| | | | |
|----|----------------|------------|---------|
| ## | Nunu & Willump | Tank | Jungle |
| ## | Olaf | Fighter | Top |
| ## | Orianna | Mage | Mid |
| ## | Ornn | Tank | Top |
| ## | Pantheon | Fighter | Top |
| ## | Poppy | Tank | Top |
| ## | Pyke | Assassin | Support |
| ## | Qiyana | Assassin | Mid |
| ## | Quinn | Specialist | Top |
| ## | Rakan | Enchanter | Support |
| ## | Rammus | Tank | Jungle |
| ## | Rek'Sai | Fighter | Jungle |
| ## | Rell | Tank | Support |
| ## | Renata Glasc | Enchanter | Support |
| ## | Renekton | Fighter | Top |
| ## | Rengar | Assassin | Jungle |
| ## | Riven | Duelist | Top |
| ## | Rumble | Fighter | Top |
| ## | Ryze | Mage | Mid |
| ## | Samira | Marksman | x |
| ## | Sejuani | Tank | Jungle |
| ## | Senna | Marksman | Support |
| ## | Seraphine | Enchanter | Support |
| ## | Sett | Fighter | Top |
| ## | Shaco | Assassin | Jungle |
| ## | Shen | Tank | Top |
| ## | Shyvana | Fighter | Jungle |
| ## | Singed | Specialist | Top |
| ## | Sion | Tank | Top |
| ## | Sivir | Marksman | ADC |
| ## | Skarner | Fighter | Jungle |
| ## | Sona | Enchanter | Support |
| ## | Soraka | Enchanter | Support |
| ## | Swain | Mage | Mid |
| ## | Sylas | Duelist | Mid |
| ## | Syndra | Mage | Mid |
| ## | Tahm Kench | Tank | Support |
| ## | Taliyah | Mage | Mid |
| ## | Talon | Assassin | Mid |
| ## | Taric | Enchanter | Support |
| ## | Teemo | Specialist | Top |
| ## | Thresh | Specialist | Support |
| ## | Tristana | Marksman | ADC |
| ## | Trundle | Fighter | Jungle |
| ## | Tryndamere | Duelist | Top |
| ## | Twisted Fate | Mage | Mid |
| ## | Twitch | Marksman | ADC |
| ## | Udyr | Fighter | Jungle |
| ## | Urgot | Fighter | Top |
| ## | Varus | Marksman | ADC |
| ## | Vayne | Marksman | ADC |
| ## | Veigar | Mage | Mid |
| ## | Vel'Koz | Mage | Mid |
| ## | Vex | Mage | Mid |

```
## Vi           Fighter  Jungle
## Viego        Duelist  Jungle
## Viktor       Mage     Mid
## Vladimir     Mage     Mid
## Volibear     Fighter  Top
## Warwick      Fighter  Jungle
## Wukong       Fighter  Jungle
## Xayah        Marksman ADC
## Xerath       Mage     Mid
## Xin Zhao     Fighter  Jungle
## Yasuo        Duelist  Mid
## Yone         Duelist  Mid
## Yorick       Fighter  Top
## Yuumi        Enchanter Support
## Zac          Tank     Jungle
## Zed          Assassin  Mid
## Zeri         Marksman ADC
## Ziggs        Mage     Mid
## Zilean       Specialist Support
## Zoe         Mage     Mid
## Zyra         Mage     Support
```

```
data$X.AS=parse_number(data$X.AS)
data1=data[,-c(2,4,6,8,10)]
print(data)
```

| | HP | X.HP | AD | X.AD | AS | X.AS | AR | X.AR | MR | X.MR | MS | Range |
|-----------------|-----|------|----|--------|-------|-------|----|------|----|------|-----|-------|
| ## Aatrox | 650 | 114 | 60 | 5.0000 | 0.651 | 2.500 | 38 | 4.45 | 32 | 2.05 | 345 | 175 |
| ## Ahri | 590 | 96 | 53 | 3.0000 | 0.668 | 2.000 | 21 | 4.70 | 30 | 1.30 | 330 | 550 |
| ## Akali | 570 | 119 | 62 | 3.3000 | 0.625 | 3.200 | 23 | 4.70 | 37 | 2.05 | 345 | 125 |
| ## Akshan | 630 | 104 | 52 | 3.5000 | 0.638 | 4.000 | 26 | 4.20 | 30 | 1.30 | 330 | 500 |
| ## Alistar | 685 | 120 | 62 | 3.7500 | 0.625 | 2.125 | 47 | 4.70 | 32 | 2.05 | 330 | 125 |
| ## Amumu | 685 | 94 | 53 | 3.8000 | 0.736 | 2.180 | 30 | 4.00 | 32 | 2.05 | 335 | 125 |
| ## Anivia | 550 | 92 | 51 | 3.2000 | 0.625 | 1.680 | 21 | 4.90 | 30 | 1.30 | 325 | 600 |
| ## Annie | 560 | 102 | 50 | 2.6500 | 0.579 | 1.360 | 19 | 4.70 | 30 | 1.30 | 335 | 625 |
| ## Aphelios | 580 | 102 | 55 | 3.0000 | 0.640 | 2.100 | 26 | 4.20 | 30 | 1.30 | 325 | 550 |
| ## Ashe | 640 | 101 | 59 | 2.9500 | 0.658 | 3.330 | 26 | 4.60 | 30 | 1.30 | 325 | 600 |
| ## Aurelion Sol | 620 | 95 | 55 | 3.2000 | 0.625 | 1.500 | 22 | 4.30 | 30 | 1.30 | 325 | 550 |
| ## Azir | 550 | 119 | 52 | 3.5000 | 0.625 | 6.000 | 22 | 5.00 | 30 | 1.30 | 335 | 525 |
| ## Bard | 630 | 103 | 52 | 3.0000 | 0.625 | 2.000 | 34 | 5.20 | 30 | 1.30 | 330 | 500 |
| ## Bel'Veth | 610 | 99 | 60 | 1.7000 | 0.850 | 0.000 | 32 | 4.70 | 32 | 2.05 | 340 | 175 |
| ## Blitzcrank | 633 | 109 | 62 | 3.5000 | 0.650 | 1.130 | 40 | 4.70 | 28 | 2.05 | 325 | 125 |
| ## Brand | 590 | 102 | 57 | 3.0000 | 0.625 | 1.360 | 22 | 4.70 | 30 | 1.30 | 340 | 550 |
| ## Braum | 640 | 112 | 55 | 3.2000 | 0.644 | 3.500 | 47 | 5.20 | 32 | 2.05 | 335 | 125 |
| ## Caitlyn | 580 | 107 | 60 | 3.8000 | 0.681 | 4.000 | 27 | 4.70 | 30 | 1.30 | 325 | 650 |
| ## Camille | 646 | 99 | 68 | 3.5000 | 0.644 | 2.500 | 35 | 5.00 | 32 | 2.05 | 340 | 125 |
| ## Cassiopeia | 630 | 104 | 53 | 3.0000 | 0.647 | 1.500 | 18 | 4.70 | 32 | 1.30 | 328 | 550 |
| ## Cho'Gath | 644 | 94 | 69 | 4.2000 | 0.625 | 1.440 | 38 | 5.00 | 32 | 2.05 | 345 | 125 |
| ## Corki | 588 | 105 | 55 | 2.8000 | 0.638 | 2.300 | 28 | 4.70 | 30 | 1.30 | 325 | 550 |
| ## Darius | 652 | 114 | 64 | 5.0000 | 0.625 | 1.000 | 39 | 5.20 | 32 | 2.05 | 340 | 175 |
| ## Diana | 640 | 109 | 57 | 3.0000 | 0.625 | 2.250 | 31 | 4.30 | 32 | 2.05 | 345 | 150 |
| ## Dr. Mundo | 613 | 103 | 61 | 2.5000 | 0.670 | 3.300 | 32 | 3.70 | 29 | 2.30 | 345 | 125 |
| ## Draven | 675 | 104 | 62 | 3.6000 | 0.679 | 2.700 | 29 | 4.50 | 30 | 1.30 | 330 | 550 |
| ## Ekko | 655 | 99 | 58 | 3.0000 | 0.688 | 3.300 | 32 | 4.20 | 32 | 2.05 | 340 | 125 |
| ## Elise | 650 | 109 | 55 | 3.0000 | 0.625 | 1.750 | 30 | 5.20 | 30 | 1.30 | 330 | 550 |

| | | | | | | | | | | | | | |
|----|---------------|-----|-----|----|--------|-------|-------|----|------|----|------|-----|-----|
| ## | Evelynn | 642 | 98 | 61 | 3.0000 | 0.667 | 2.100 | 37 | 4.70 | 32 | 2.05 | 335 | 125 |
| ## | Ezreal | 600 | 102 | 60 | 2.5000 | 0.625 | 2.500 | 24 | 4.70 | 30 | 1.30 | 325 | 550 |
| ## | Fiddlesticks | 650 | 106 | 55 | 2.6500 | 0.625 | 2.110 | 34 | 4.70 | 30 | 1.30 | 335 | 480 |
| ## | Fiora | 620 | 99 | 68 | 3.3000 | 0.690 | 3.200 | 33 | 4.70 | 32 | 2.05 | 345 | 150 |
| ## | Fizz | 640 | 106 | 58 | 3.0000 | 0.658 | 3.100 | 22 | 4.60 | 32 | 2.05 | 335 | 175 |
| ## | Galio | 632 | 126 | 59 | 3.5000 | 0.625 | 1.500 | 24 | 4.70 | 32 | 2.05 | 335 | 150 |
| ## | Gangplank | 600 | 114 | 64 | 3.7000 | 0.658 | 3.200 | 31 | 4.20 | 32 | 2.05 | 345 | 125 |
| ## | Garen | 690 | 98 | 66 | 4.5000 | 0.625 | 3.650 | 36 | 4.20 | 32 | 1.55 | 340 | 175 |
| ## | Gnar | 540 | 79 | 57 | 3.0000 | 0.625 | 6.000 | 32 | 3.70 | 30 | 1.30 | 335 | 400 |
| ## | Gragas | 670 | 109 | 64 | 3.5000 | 0.675 | 2.050 | 38 | 4.80 | 32 | 2.05 | 330 | 125 |
| ## | Graves | 625 | 106 | 68 | 4.0000 | 0.475 | 2.600 | 33 | 4.60 | 32 | 2.05 | 340 | 425 |
| ## | Gwen | 620 | 109 | 63 | 3.0000 | 0.690 | 2.250 | 39 | 5.20 | 32 | 2.05 | 340 | 150 |
| ## | Hecarim | 625 | 99 | 66 | 3.2000 | 0.670 | 2.500 | 32 | 5.45 | 32 | 2.05 | 345 | 175 |
| ## | Heimerdinger | 558 | 101 | 56 | 2.7000 | 0.625 | 1.360 | 19 | 4.20 | 30 | 1.30 | 340 | 550 |
| ## | Illaoi | 656 | 109 | 68 | 5.0000 | 0.625 | 2.500 | 35 | 5.00 | 32 | 2.05 | 350 | 125 |
| ## | Irelia | 590 | 124 | 65 | 4.0000 | 0.656 | 2.500 | 36 | 4.70 | 30 | 2.05 | 335 | 200 |
| ## | Ivern | 655 | 99 | 50 | 3.0000 | 0.644 | 3.400 | 27 | 4.70 | 32 | 2.05 | 330 | 475 |
| ## | Janna | 570 | 84 | 52 | 3.0000 | 0.625 | 3.000 | 28 | 5.00 | 30 | 1.30 | 325 | 500 |
| ## | Jarvan IV | 640 | 104 | 64 | 3.4000 | 0.658 | 2.500 | 36 | 4.80 | 32 | 2.05 | 340 | 175 |
| ## | Jax | 665 | 100 | 68 | 4.2500 | 0.638 | 3.400 | 36 | 4.20 | 32 | 2.05 | 350 | 125 |
| ## | Jayce | 590 | 109 | 57 | 4.2500 | 0.658 | 3.000 | 22 | 5.00 | 30 | 1.30 | 335 | 125 |
| ## | Jhin | 655 | 107 | 59 | 4.7000 | 0.625 | 3.000 | 24 | 4.70 | 30 | 1.30 | 330 | 550 |
| ## | Jinx | 630 | 100 | 59 | 3.4000 | 0.625 | 1.360 | 26 | 4.70 | 30 | 1.30 | 325 | 525 |
| ## | K'Sante | 610 | 114 | 64 | 3.5000 | 0.625 | 2.500 | 33 | 4.70 | 30 | 2.10 | 330 | 175 |
| ## | Kai'Sa | 670 | 102 | 59 | 2.0000 | 0.644 | 1.800 | 28 | 4.20 | 30 | 1.30 | 335 | 525 |
| ## | Kalista | 574 | 114 | 66 | 3.7500 | 0.694 | 4.500 | 24 | 5.20 | 30 | 1.30 | 330 | 525 |
| ## | Karma | 604 | 109 | 51 | 3.3000 | 0.625 | 2.300 | 28 | 5.00 | 30 | 1.30 | 335 | 525 |
| ## | Karthus | 620 | 110 | 46 | 3.2500 | 0.625 | 2.110 | 21 | 4.70 | 30 | 1.30 | 335 | 450 |
| ## | Kassadin | 646 | 119 | 59 | 3.9000 | 0.640 | 3.700 | 19 | 4.00 | 30 | 1.30 | 335 | 150 |
| ## | Katarina | 672 | 108 | 58 | 3.2000 | 0.658 | 2.740 | 28 | 4.70 | 32 | 2.05 | 335 | 125 |
| ## | Kayle | 670 | 92 | 50 | 2.5000 | 0.625 | 1.500 | 26 | 4.20 | 22 | 1.30 | 335 | 175 |
| ## | Kayn | 655 | 109 | 68 | 3.3000 | 0.669 | 2.700 | 38 | 4.50 | 32 | 2.05 | 340 | 175 |
| ## | Kennen | 611 | 98 | 48 | 3.7500 | 0.625 | 3.400 | 29 | 4.95 | 30 | 1.30 | 335 | 550 |
| ## | Kha'Zix | 643 | 99 | 63 | 3.1000 | 0.668 | 2.700 | 36 | 4.20 | 32 | 2.05 | 350 | 125 |
| ## | Kindred | 610 | 99 | 65 | 2.5000 | 0.625 | 3.500 | 29 | 4.70 | 30 | 1.30 | 325 | 500 |
| ## | Kled & Skaarl | 810 | 144 | 65 | 3.5000 | 0.625 | 3.500 | 35 | 5.20 | 28 | 2.05 | 345 | 125 |
| ## | Kog'Maw | 635 | 99 | 61 | 3.1000 | 0.665 | 2.650 | 24 | 4.45 | 30 | 1.30 | 330 | 500 |
| ## | LeBlanc | 598 | 111 | 55 | 3.5000 | 0.625 | 1.400 | 22 | 4.70 | 30 | 1.30 | 340 | 525 |
| ## | Lee Sin | 645 | 105 | 66 | 3.7000 | 0.651 | 3.000 | 34 | 4.90 | 32 | 2.05 | 345 | 125 |
| ## | Leona | 646 | 101 | 60 | 3.0000 | 0.625 | 2.900 | 47 | 4.80 | 32 | 2.05 | 335 | 125 |
| ## | Lillia | 605 | 105 | 61 | 3.1000 | 0.625 | 2.700 | 22 | 5.20 | 32 | 1.55 | 330 | 325 |
| ## | Lissandra | 620 | 110 | 55 | 2.7000 | 0.656 | 1.360 | 22 | 4.90 | 30 | 1.30 | 325 | 550 |
| ## | Lucian | 641 | 100 | 60 | 2.9000 | 0.638 | 3.300 | 28 | 4.20 | 30 | 1.30 | 335 | 500 |
| ## | Lulu | 595 | 88 | 47 | 2.6000 | 0.625 | 2.250 | 29 | 4.90 | 30 | 1.30 | 330 | 550 |
| ## | Lux | 560 | 99 | 54 | 3.3000 | 0.669 | 2.000 | 19 | 5.20 | 30 | 1.30 | 330 | 550 |
| ## | Malphite | 644 | 104 | 62 | 4.0000 | 0.736 | 3.400 | 37 | 4.95 | 28 | 2.05 | 335 | 125 |
| ## | Malzahar | 580 | 101 | 55 | 3.0000 | 0.625 | 1.500 | 18 | 4.70 | 30 | 1.30 | 335 | 500 |
| ## | Maokai | 635 | 109 | 64 | 3.3000 | 0.800 | 2.125 | 39 | 5.20 | 32 | 2.05 | 335 | 125 |
| ## | Master Yi | 669 | 100 | 65 | 2.2000 | 0.679 | 2.000 | 33 | 4.20 | 32 | 2.05 | 355 | 175 |
| ## | Milio | 560 | 88 | 48 | 3.2000 | 0.625 | 3.000 | 28 | 4.90 | 30 | 1.30 | 330 | 525 |
| ## | Miss Fortune | 640 | 103 | 52 | 2.4000 | 0.656 | 3.000 | 28 | 4.20 | 30 | 1.30 | 325 | 550 |
| ## | Mordekaiser | 645 | 104 | 61 | 4.0000 | 0.625 | 1.000 | 37 | 4.20 | 32 | 2.05 | 335 | 175 |
| ## | Morgana | 630 | 104 | 56 | 3.5000 | 0.625 | 1.530 | 25 | 5.00 | 30 | 1.30 | 335 | 450 |
| ## | Nami | 560 | 88 | 51 | 3.1000 | 0.644 | 2.610 | 29 | 5.20 | 30 | 1.30 | 335 | 550 |

| | | | | | | | | | | | | | |
|----|----------------|-----|-----|----|--------|-------|-------|----|------|----|------|-----|-----|
| ## | Nasus | 631 | 104 | 67 | 3.5000 | 0.638 | 3.480 | 34 | 4.70 | 32 | 2.05 | 350 | 125 |
| ## | Nautilus | 646 | 100 | 61 | 3.3000 | 0.706 | 1.000 | 39 | 4.95 | 32 | 2.05 | 325 | 175 |
| ## | Neeko | 610 | 104 | 48 | 2.5000 | 0.625 | 3.500 | 21 | 5.20 | 30 | 1.30 | 340 | 550 |
| ## | Nidalee | 610 | 109 | 58 | 3.5000 | 0.638 | 3.220 | 28 | 4.70 | 30 | 1.30 | 335 | 525 |
| ## | Nilah | 570 | 101 | 58 | 2.0000 | 0.697 | 3.000 | 27 | 4.20 | 32 | 2.05 | 340 | 225 |
| ## | Nocturne | 655 | 109 | 62 | 2.6000 | 0.721 | 2.700 | 38 | 4.70 | 32 | 1.55 | 345 | 125 |
| ## | Nunu & Willump | 610 | 90 | 61 | 3.0000 | 0.625 | 2.250 | 29 | 4.20 | 32 | 2.05 | 345 | 125 |
| ## | Olaf | 645 | 119 | 68 | 4.7000 | 0.694 | 2.700 | 35 | 4.20 | 32 | 2.05 | 350 | 125 |
| ## | Orianna | 600 | 105 | 40 | 2.6000 | 0.658 | 3.500 | 20 | 4.20 | 26 | 1.30 | 325 | 525 |
| ## | Ornn | 660 | 109 | 69 | 3.5000 | 0.625 | 2.000 | 33 | 5.20 | 32 | 2.05 | 335 | 175 |
| ## | Pantheon | 650 | 109 | 64 | 3.3000 | 0.658 | 2.950 | 40 | 4.95 | 28 | 2.05 | 345 | 175 |
| ## | Poppy | 610 | 104 | 64 | 4.0000 | 0.625 | 2.500 | 38 | 4.70 | 32 | 2.05 | 345 | 125 |
| ## | Pyke | 670 | 104 | 62 | 2.0000 | 0.667 | 2.500 | 45 | 4.70 | 32 | 2.05 | 330 | 150 |
| ## | Qiyana | 590 | 124 | 66 | 3.1000 | 0.688 | 2.100 | 28 | 4.70 | 32 | 2.05 | 335 | 150 |
| ## | Quinn | 603 | 99 | 59 | 2.4000 | 0.668 | 3.100 | 28 | 4.70 | 30 | 1.30 | 335 | 525 |
| ## | Rakan | 610 | 99 | 62 | 3.5000 | 0.635 | 3.000 | 32 | 5.10 | 32 | 2.05 | 335 | 300 |
| ## | Rammus | 675 | 94 | 55 | 2.7500 | 0.656 | 2.215 | 40 | 5.50 | 32 | 2.05 | 335 | 125 |
| ## | Rek'Sai | 640 | 99 | 61 | 3.0000 | 0.667 | 2.000 | 36 | 4.95 | 32 | 2.05 | 335 | 175 |
| ## | Rell | 610 | 104 | 55 | 3.0000 | 0.550 | 2.000 | 32 | 4.20 | 32 | 2.05 | 335 | 175 |
| ## | Renata Glasc | 545 | 94 | 49 | 3.0000 | 0.625 | 2.110 | 27 | 4.70 | 30 | 1.30 | 330 | 550 |
| ## | Renekton | 660 | 111 | 69 | 4.1500 | 0.665 | 2.750 | 35 | 5.20 | 32 | 2.05 | 345 | 125 |
| ## | Rengar | 620 | 104 | 68 | 3.0000 | 0.667 | 3.000 | 34 | 4.20 | 32 | 2.05 | 345 | 125 |
| ## | Riven | 630 | 100 | 64 | 3.0000 | 0.625 | 3.500 | 33 | 4.40 | 32 | 2.05 | 340 | 125 |
| ## | Rumble | 659 | 99 | 61 | 3.2000 | 0.644 | 1.850 | 36 | 4.70 | 28 | 1.55 | 345 | 125 |
| ## | Ryze | 645 | 124 | 58 | 3.0000 | 0.625 | 2.110 | 22 | 4.20 | 32 | 1.30 | 340 | 550 |
| ## | Samira | 600 | 108 | 57 | 3.3000 | 0.658 | 3.300 | 26 | 4.70 | 30 | 1.30 | 335 | 500 |
| ## | Sejuani | 630 | 114 | 66 | 4.0000 | 0.688 | 3.500 | 34 | 5.45 | 32 | 2.05 | 340 | 150 |
| ## | Senna | 530 | 89 | 50 | 0.0000 | 0.625 | 4.000 | 28 | 4.70 | 30 | 1.30 | 330 | 600 |
| ## | Seraphine | 570 | 104 | 55 | 3.0000 | 0.669 | 1.000 | 19 | 4.20 | 30 | 1.30 | 325 | 525 |
| ## | Sett | 670 | 114 | 60 | 4.0000 | 0.625 | 1.750 | 33 | 5.20 | 28 | 2.05 | 340 | 125 |
| ## | Shaco | 630 | 99 | 63 | 3.0000 | 0.694 | 3.000 | 30 | 4.00 | 32 | 2.05 | 345 | 125 |
| ## | Shen | 610 | 99 | 60 | 3.0000 | 0.751 | 3.000 | 34 | 4.20 | 32 | 2.05 | 340 | 125 |
| ## | Shyvana | 665 | 109 | 66 | 3.4000 | 0.658 | 2.500 | 38 | 4.55 | 32 | 2.05 | 350 | 125 |
| ## | Singed | 650 | 99 | 63 | 3.4000 | 0.613 | 1.900 | 34 | 4.70 | 32 | 2.05 | 345 | 125 |
| ## | Sion | 655 | 87 | 68 | 4.0000 | 0.679 | 1.300 | 32 | 4.20 | 32 | 2.05 | 345 | 175 |
| ## | Sivir | 600 | 104 | 58 | 2.8000 | 0.625 | 2.000 | 26 | 4.45 | 30 | 1.30 | 335 | 500 |
| ## | Skarner | 650 | 99 | 65 | 4.5000 | 0.625 | 2.100 | 38 | 5.00 | 32 | 2.05 | 335 | 125 |
| ## | Sona | 550 | 91 | 49 | 3.0000 | 0.644 | 2.300 | 26 | 4.20 | 30 | 1.30 | 325 | 550 |
| ## | Soraka | 605 | 88 | 50 | 3.0000 | 0.625 | 2.140 | 32 | 5.00 | 30 | 1.30 | 325 | 550 |
| ## | Swain | 595 | 99 | 58 | 2.7000 | 0.625 | 2.110 | 26 | 5.20 | 30 | 1.30 | 330 | 525 |
| ## | Sylas | 575 | 129 | 61 | 3.0000 | 0.645 | 3.500 | 27 | 5.20 | 32 | 2.55 | 340 | 175 |
| ## | Syndra | 563 | 104 | 54 | 2.9000 | 0.625 | 2.000 | 25 | 4.60 | 30 | 1.30 | 330 | 550 |
| ## | Tahm Kench | 640 | 103 | 56 | 3.2000 | 0.658 | 2.500 | 42 | 4.70 | 32 | 2.05 | 335 | 175 |
| ## | Taliyah | 550 | 104 | 58 | 3.3000 | 0.625 | 1.360 | 18 | 4.70 | 30 | 1.30 | 330 | 525 |
| ## | Talon | 658 | 109 | 68 | 3.1000 | 0.625 | 2.900 | 30 | 4.70 | 39 | 2.05 | 335 | 125 |
| ## | Taric | 645 | 99 | 55 | 3.5000 | 0.625 | 2.000 | 40 | 4.60 | 28 | 2.05 | 340 | 150 |
| ## | Teemo | 598 | 104 | 54 | 3.0000 | 0.690 | 3.380 | 24 | 4.95 | 30 | 1.30 | 330 | 500 |
| ## | Thresh | 600 | 120 | 56 | 2.2000 | 0.625 | 3.500 | 28 | 0.00 | 30 | 1.30 | 330 | 450 |
| ## | Tristana | 670 | 102 | 59 | 3.7000 | 0.656 | 1.500 | 26 | 4.20 | 30 | 1.30 | 325 | 525 |
| ## | Trundle | 686 | 110 | 68 | 3.0000 | 0.600 | 2.900 | 37 | 3.90 | 32 | 2.05 | 350 | 175 |
| ## | Tryndamere | 696 | 115 | 72 | 4.0000 | 0.670 | 2.900 | 33 | 4.30 | 32 | 2.05 | 345 | 125 |
| ## | Twisted Fate | 604 | 108 | 52 | 3.3000 | 0.651 | 3.220 | 21 | 4.35 | 30 | 1.30 | 330 | 525 |
| ## | Twitch | 682 | 100 | 59 | 3.1000 | 0.679 | 3.380 | 27 | 4.20 | 30 | 1.30 | 330 | 550 |
| ## | Udyr | 664 | 92 | 62 | 4.0000 | 0.650 | 3.000 | 31 | 4.70 | 32 | 2.05 | 350 | 125 |

| | | | | | | | | | | | | | |
|----|--------------|-----|------------|----|---------|----------|-------|----|------|----|------|-----|-----|
| ## | Urgot | 655 | 102 | 63 | 4.0000 | 0.625 | 3.750 | 36 | 5.45 | 32 | 2.05 | 330 | 350 |
| ## | Varus | 600 | 105 | 62 | 3.4000 | 0.658 | 4.000 | 27 | 4.60 | 30 | 1.30 | 330 | 575 |
| ## | Vayne | 550 | 103 | 60 | 2.3500 | 0.658 | 3.300 | 23 | 4.60 | 30 | 1.30 | 330 | 550 |
| ## | Veigar | 550 | 108 | 52 | 2.7000 | 0.625 | 2.240 | 18 | 5.20 | 32 | 1.30 | 340 | 550 |
| ## | Vel'Koz | 590 | 102 | 55 | 3.1416 | 0.625 | 1.360 | 22 | 4.70 | 30 | 1.30 | 340 | 525 |
| ## | Vex | 590 | 104 | 54 | 2.7500 | 0.669 | 1.000 | 23 | 4.45 | 28 | 1.30 | 335 | 550 |
| ## | Vi | 655 | 99 | 63 | 3.0000 | 0.644 | 2.000 | 30 | 4.70 | 32 | 2.05 | 340 | 125 |
| ## | Viego | 630 | 109 | 57 | 3.5000 | 0.658 | 2.500 | 34 | 5.20 | 32 | 2.05 | 345 | 200 |
| ## | Viktor | 600 | 104 | 53 | 3.0000 | 0.658 | 2.110 | 23 | 5.20 | 30 | 1.30 | 335 | 525 |
| ## | Vladimir | 607 | 110 | 55 | 3.0000 | 0.658 | 2.000 | 27 | 4.50 | 30 | 1.30 | 330 | 450 |
| ## | Volibear | 650 | 104 | 60 | 3.5000 | 0.625 | 2.000 | 31 | 5.20 | 32 | 2.05 | 340 | 150 |
| ## | Warwick | 620 | 99 | 65 | 3.0000 | 0.638 | 2.300 | 33 | 4.40 | 32 | 2.05 | 335 | 125 |
| ## | Wukong | 610 | 99 | 66 | 3.5000 | 0.680 | 3.000 | 31 | 4.70 | 28 | 2.05 | 340 | 175 |
| ## | Xayah | 660 | 102 | 60 | 3.5000 | 0.658 | 3.900 | 25 | 4.20 | 30 | 1.30 | 330 | 525 |
| ## | Xerath | 596 | 106 | 55 | 3.0000 | 0.625 | 1.360 | 22 | 4.70 | 30 | 1.30 | 340 | 525 |
| ## | Xin Zhao | 640 | 106 | 63 | 3.0000 | 0.645 | 3.500 | 35 | 4.70 | 32 | 2.05 | 345 | 175 |
| ## | Yasuo | 590 | 101 | 60 | 3.0000 | 0.697 | 3.500 | 30 | 4.60 | 32 | 2.05 | 345 | 175 |
| ## | Yone | 620 | 99 | 60 | 2.0000 | 0.625 | 3.500 | 28 | 4.60 | 32 | 2.05 | 345 | 175 |
| ## | Yorick | 650 | 114 | 62 | 5.0000 | 0.625 | 2.000 | 39 | 5.20 | 32 | 2.05 | 340 | 175 |
| ## | Yuumi | 500 | 69 | 49 | 3.1000 | 0.625 | 1.000 | 25 | 4.20 | 25 | 1.10 | 330 | 425 |
| ## | Zac | 685 | 109 | 60 | 3.4000 | 0.736 | 1.600 | 33 | 4.70 | 32 | 2.05 | 340 | 175 |
| ## | Zed | 654 | 99 | 63 | 3.4000 | 0.651 | 3.300 | 32 | 4.70 | 29 | 2.05 | 345 | 125 |
| ## | Zeri | 630 | 110 | 53 | 1.3000 | 0.658 | 2.000 | 24 | 4.20 | 30 | 1.30 | 330 | 500 |
| ## | Ziggs | 606 | 106 | 54 | 3.1000 | 0.656 | 2.000 | 22 | 4.50 | 30 | 1.30 | 325 | 550 |
| ## | Zilean | 574 | 96 | 52 | 3.0000 | 0.625 | 2.130 | 24 | 5.00 | 30 | 1.30 | 335 | 550 |
| ## | Zoe | 630 | 106 | 58 | 3.3000 | 0.625 | 2.500 | 21 | 4.70 | 30 | 1.30 | 340 | 550 |
| ## | Zyra | 574 | 93 | 53 | 3.2000 | 0.625 | 2.110 | 29 | 4.20 | 30 | 1.30 | 340 | 575 |
| ## | | | | | CLASS | POSITION | | | | | | | |
| ## | Aatrox | | Fighter | | Top | | | | | | | | |
| ## | Ahri | | Mage | | Mid | | | | | | | | |
| ## | Akali | | Assassin | | Mid | | | | | | | | |
| ## | Akshan | | Marksman | | Mid | | | | | | | | |
| ## | Alistar | | Tank | | Support | | | | | | | | |
| ## | Amumu | | Tank | | Support | | | | | | | | |
| ## | Anivia | | Mage | | Mid | | | | | | | | |
| ## | Annie | | Mage | | Mid | | | | | | | | |
| ## | Aphelios | | Marksman | | ADC | | | | | | | | |
| ## | Ashe | | Marksman | | ADC | | | | | | | | |
| ## | Aurelion Sol | | Mage | | Mid | | | | | | | | |
| ## | Azir | | Specialist | | Mid | | | | | | | | |
| ## | Bard | | Mage | | Support | | | | | | | | |
| ## | Bel'Veth | | Duelist | | Jungle | | | | | | | | |
| ## | Blitzcrank | | Tank | | Support | | | | | | | | |
| ## | Brand | | Mage | | Support | | | | | | | | |
| ## | Braum | | Tank | | Support | | | | | | | | |
| ## | Caitlyn | | Marksman | | ADC | | | | | | | | |
| ## | Camille | | Fighter | | Top | | | | | | | | |
| ## | Cassiopeia | | Mage | | Mid | | | | | | | | |
| ## | Cho'Gath | | Specialist | | Top | | | | | | | | |
| ## | Corki | | Marksman | | Mid | | | | | | | | |
| ## | Darius | | Fighter | | Top | | | | | | | | |
| ## | Diana | | Assassin | | Jungle | | | | | | | | |
| ## | Dr. Mundo | | Fighter | | Top | | | | | | | | |
| ## | Draven | | Marksman | | ADC | | | | | | | | |

| | | | |
|----|---------------|------------|---------|
| ## | Ekko | Assassin | Mid |
| ## | Elise | Assassin | Jungle |
| ## | Evelynn | Assassin | Support |
| ## | Ezreal | Marksman | ADC |
| ## | Fiddlesticks | Specialist | Jungle |
| ## | Fiora | Duelist | Top |
| ## | Fizz | Assassin | Mid |
| ## | Galio | Tank | Mid |
| ## | Gangplank | Specialist | Top |
| ## | Garen | Fighter | Top |
| ## | Gnar | Specialist | Top |
| ## | Gragas | Tank | Top |
| ## | Graves | Specialist | Jungle |
| ## | Gwen | Duelist | Top |
| ## | Hecarim | Fighter | Jungle |
| ## | Heimerdinger | Specialist | Support |
| ## | Illaoi | Fighter | Top |
| ## | Irelia | Fighter | Top |
| ## | Ivern | Mage | Jungle |
| ## | Janna | Enchanter | Support |
| ## | Jarvan IV | Fighter | Jungle |
| ## | Jax | Duelist | Top |
| ## | Jayce | Mage | Mid |
| ## | Jhin | Marksman | ADC |
| ## | Jinx | Marksman | ADC |
| ## | K'Sante | Fighter | Top |
| ## | Kai'Sa | Marksman | ADC |
| ## | Kalista | Marksman | ADC |
| ## | Karma | Enchanter | Support |
| ## | Karthus | Mage | Jungle |
| ## | Kassadin | Assassin | Mid |
| ## | Katarina | Assassin | Mid |
| ## | Kayle | Specialist | Top |
| ## | Kayn | Assassin | Jungle |
| ## | Kennen | Specialist | Top |
| ## | Kha'Zix | Assassin | Jungle |
| ## | Kindred | Marksman | Jungle |
| ## | Kled & Skaarl | Duelist | Top |
| ## | Kog'Maw | Marksman | ADC |
| ## | LeBlanc | Mage | Mid |
| ## | Lee Sin | Fighter | Jungle |
| ## | Leona | Tank | Support |
| ## | Lillia | Fighter | Jungle |
| ## | Lissandra | Mage | Mid |
| ## | Lucian | Marksman | ADC |
| ## | Lulu | Enchanter | Support |
| ## | Lux | Mage | Support |
| ## | Malphite | Tank | Top |
| ## | Malzahar | Mage | Mid |
| ## | Maokai | Tank | Jungle |
| ## | Master Yi | Duelist | Jungle |
| ## | Milio | Enchanter | Support |
| ## | Miss Fortune | Marksman | ADC |
| ## | Mordekaiser | Fighter | Top |

| | | | |
|----|----------------|------------|---------|
| ## | Morgana | Mage | Support |
| ## | Nami | Enchanter | Support |
| ## | Nasus | Fighter | Top |
| ## | Nautilus | Tank | Support |
| ## | Neeko | Mage | Mid |
| ## | Nidalee | Specialist | Jungle |
| ## | Nilah | Duelist | ADC |
| ## | Nocturne | Assassin | Jungle |
| ## | Nunu & Willump | Tank | Jungle |
| ## | Olaf | Fighter | Top |
| ## | Orianna | Mage | Mid |
| ## | Ornn | Tank | Top |
| ## | Pantheon | Fighter | Top |
| ## | Poppy | Tank | Top |
| ## | Pyke | Assassin | Support |
| ## | Qiyana | Assassin | Mid |
| ## | Quinn | Specialist | Top |
| ## | Rakan | Enchanter | Support |
| ## | Rammus | Tank | Jungle |
| ## | Rek'Sai | Fighter | Jungle |
| ## | Rell | Tank | Support |
| ## | Renata Glasc | Enchanter | Support |
| ## | Renekton | Fighter | Top |
| ## | Rengar | Assassin | Jungle |
| ## | Riven | Duelist | Top |
| ## | Rumble | Fighter | Top |
| ## | Ryze | Mage | Mid |
| ## | Samira | Marksman | x |
| ## | Sejuani | Tank | Jungle |
| ## | Senna | Marksman | Support |
| ## | Seraphine | Enchanter | Support |
| ## | Sett | Fighter | Top |
| ## | Shaco | Assassin | Jungle |
| ## | Shen | Tank | Top |
| ## | Shyvana | Fighter | Jungle |
| ## | Singed | Specialist | Top |
| ## | Sion | Tank | Top |
| ## | Sivir | Marksman | ADC |
| ## | Skarner | Fighter | Jungle |
| ## | Sona | Enchanter | Support |
| ## | Soraka | Enchanter | Support |
| ## | Swain | Mage | Mid |
| ## | Sylas | Duelist | Mid |
| ## | Syndra | Mage | Mid |
| ## | Tahm Kench | Tank | Support |
| ## | Taliyah | Mage | Mid |
| ## | Talon | Assassin | Mid |
| ## | Taric | Enchanter | Support |
| ## | Teemo | Specialist | Top |
| ## | Thresh | Specialist | Support |
| ## | Tristana | Marksman | ADC |
| ## | Trundle | Fighter | Jungle |
| ## | Tryndamere | Duelist | Top |
| ## | Twisted Fate | Mage | Mid |

```

## Twitch           Marksman   ADC
## Udyr             Fighter    Jungle
## Urgot            Fighter    Top
## Varus            Marksman   ADC
## Vayne            Marksman   ADC
## Veigar           Mage      Mid
## Vel'Koz          Mage      Mid
## Vex              Mage      Mid
## Vi               Fighter    Jungle
## Viego            Duelist   Jungle
## Viktor           Mage      Mid
## Vladimir         Mage      Mid
## Volibear         Fighter    Top
## Warwick          Fighter    Jungle
## Wukong           Fighter    Jungle
## Xayah            Marksman   ADC
## Xerath           Mage      Mid
## Xin Zhao         Fighter    Jungle
## Yasuo            Duelist   Mid
## Yone             Duelist   Mid
## Yorick           Fighter    Top
## Yuumi            Enchanter Support
## Zac              Tank      Jungle
## Zed              Assassin   Mid
## Zeri             Marksman   ADC
## Ziggs            Mage      Mid
## Zilean           Specialist Support
## Zoe             Mage      Mid
## Zyra            Mage      Support

```

```
print(data1)
```

```

##           HP AD    AS AR MR  MS Range    CLASS POSITION
## Aatrox      650 60 0.651 38 32 345   175   Fighter    Top
## Ahri        590 53 0.668 21 30 330   550     Mage      Mid
## Akali       570 62 0.625 23 37 345   125  Assassin   Mid
## Akshan      630 52 0.638 26 30 330   500  Marksman   Mid
## Alistar     685 62 0.625 47 32 330   125     Tank    Support
## Amumu       685 53 0.736 30 32 335   125     Tank    Support
## Anivia      550 51 0.625 21 30 325   600     Mage      Mid
## Annie       560 50 0.579 19 30 335   625     Mage      Mid
## Aphelios    580 55 0.640 26 30 325   550  Marksman   ADC
## Ashe        640 59 0.658 26 30 325   600  Marksman   ADC
## Aurelion Sol 620 55 0.625 22 30 325   550     Mage      Mid
## Azir        550 52 0.625 22 30 335   525  Specialist   Mid
## Bard        630 52 0.625 34 30 330   500     Mage    Support
## Bel'Veth    610 60 0.850 32 32 340   175   Duelist   Jungle
## Blitzcrank  633 62 0.650 40 28 325   125     Tank    Support
## Brand       590 57 0.625 22 30 340   550     Mage    Support
## Braum       640 55 0.644 47 32 335   125     Tank    Support
## Caitlyn     580 60 0.681 27 30 325   650  Marksman   ADC
## Camille     646 68 0.644 35 32 340   125   Fighter    Top
## Cassiopeia  630 53 0.647 18 32 328   550     Mage      Mid
## Cho'Gath    644 69 0.625 38 32 345   125  Specialist   Top
## Corki       588 55 0.638 28 30 325   550  Marksman   Mid

```

| | | | | | | | | | | |
|----|---------------|-----|----|-------|----|----|-----|-----|------------|---------|
| ## | Darius | 652 | 64 | 0.625 | 39 | 32 | 340 | 175 | Fighter | Top |
| ## | Diana | 640 | 57 | 0.625 | 31 | 32 | 345 | 150 | Assassin | Jungle |
| ## | Dr. Mundo | 613 | 61 | 0.670 | 32 | 29 | 345 | 125 | Fighter | Top |
| ## | Draven | 675 | 62 | 0.679 | 29 | 30 | 330 | 550 | Marksman | ADC |
| ## | Ekko | 655 | 58 | 0.688 | 32 | 32 | 340 | 125 | Assassin | Mid |
| ## | Elise | 650 | 55 | 0.625 | 30 | 30 | 330 | 550 | Assassin | Jungle |
| ## | Evelynn | 642 | 61 | 0.667 | 37 | 32 | 335 | 125 | Assassin | Support |
| ## | Ezreal | 600 | 60 | 0.625 | 24 | 30 | 325 | 550 | Marksman | ADC |
| ## | Fiddlesticks | 650 | 55 | 0.625 | 34 | 30 | 335 | 480 | Specialist | Jungle |
| ## | Fiora | 620 | 68 | 0.690 | 33 | 32 | 345 | 150 | Duelist | Top |
| ## | Fizz | 640 | 58 | 0.658 | 22 | 32 | 335 | 175 | Assassin | Mid |
| ## | Galio | 632 | 59 | 0.625 | 24 | 32 | 335 | 150 | Tank | Mid |
| ## | Gangplank | 600 | 64 | 0.658 | 31 | 32 | 345 | 125 | Specialist | Top |
| ## | Garen | 690 | 66 | 0.625 | 36 | 32 | 340 | 175 | Fighter | Top |
| ## | Gnar | 540 | 57 | 0.625 | 32 | 30 | 335 | 400 | Specialist | Top |
| ## | Gragas | 670 | 64 | 0.675 | 38 | 32 | 330 | 125 | Tank | Top |
| ## | Graves | 625 | 68 | 0.475 | 33 | 32 | 340 | 425 | Specialist | Jungle |
| ## | Gwen | 620 | 63 | 0.690 | 39 | 32 | 340 | 150 | Duelist | Top |
| ## | Hecarim | 625 | 66 | 0.670 | 32 | 32 | 345 | 175 | Fighter | Jungle |
| ## | Heimerdinger | 558 | 56 | 0.625 | 19 | 30 | 340 | 550 | Specialist | Support |
| ## | Illaoi | 656 | 68 | 0.625 | 35 | 32 | 350 | 125 | Fighter | Top |
| ## | Irelia | 590 | 65 | 0.656 | 36 | 30 | 335 | 200 | Fighter | Top |
| ## | Ivern | 655 | 50 | 0.644 | 27 | 32 | 330 | 475 | Mage | Jungle |
| ## | Janna | 570 | 52 | 0.625 | 28 | 30 | 325 | 500 | Enchanter | Support |
| ## | Jarvan IV | 640 | 64 | 0.658 | 36 | 32 | 340 | 175 | Fighter | Jungle |
| ## | Jax | 665 | 68 | 0.638 | 36 | 32 | 350 | 125 | Duelist | Top |
| ## | Jayce | 590 | 57 | 0.658 | 22 | 30 | 335 | 125 | Mage | Mid |
| ## | Jhin | 655 | 59 | 0.625 | 24 | 30 | 330 | 550 | Marksman | ADC |
| ## | Jinx | 630 | 59 | 0.625 | 26 | 30 | 325 | 525 | Marksman | ADC |
| ## | K'Sante | 610 | 64 | 0.625 | 33 | 30 | 330 | 175 | Fighter | Top |
| ## | Kai'Sa | 670 | 59 | 0.644 | 28 | 30 | 335 | 525 | Marksman | ADC |
| ## | Kalista | 574 | 66 | 0.694 | 24 | 30 | 330 | 525 | Marksman | ADC |
| ## | Karma | 604 | 51 | 0.625 | 28 | 30 | 335 | 525 | Enchanter | Support |
| ## | Karthus | 620 | 46 | 0.625 | 21 | 30 | 335 | 450 | Mage | Jungle |
| ## | Kassadin | 646 | 59 | 0.640 | 19 | 30 | 335 | 150 | Assassin | Mid |
| ## | Katarina | 672 | 58 | 0.658 | 28 | 32 | 335 | 125 | Assassin | Mid |
| ## | Kayle | 670 | 50 | 0.625 | 26 | 22 | 335 | 175 | Specialist | Top |
| ## | Kayn | 655 | 68 | 0.669 | 38 | 32 | 340 | 175 | Assassin | Jungle |
| ## | Kennen | 611 | 48 | 0.625 | 29 | 30 | 335 | 550 | Specialist | Top |
| ## | Kha'Zix | 643 | 63 | 0.668 | 36 | 32 | 350 | 125 | Assassin | Jungle |
| ## | Kindred | 610 | 65 | 0.625 | 29 | 30 | 325 | 500 | Marksman | Jungle |
| ## | Kled & Skaarl | 810 | 65 | 0.625 | 35 | 28 | 345 | 125 | Duelist | Top |
| ## | Kog'Maw | 635 | 61 | 0.665 | 24 | 30 | 330 | 500 | Marksman | ADC |
| ## | LeBlanc | 598 | 55 | 0.625 | 22 | 30 | 340 | 525 | Mage | Mid |
| ## | Lee Sin | 645 | 66 | 0.651 | 34 | 32 | 345 | 125 | Fighter | Jungle |
| ## | Leona | 646 | 60 | 0.625 | 47 | 32 | 335 | 125 | Tank | Support |
| ## | Lillia | 605 | 61 | 0.625 | 22 | 32 | 330 | 325 | Fighter | Jungle |
| ## | Lissandra | 620 | 55 | 0.656 | 22 | 30 | 325 | 550 | Mage | Mid |
| ## | Lucian | 641 | 60 | 0.638 | 28 | 30 | 335 | 500 | Marksman | ADC |
| ## | Lulu | 595 | 47 | 0.625 | 29 | 30 | 330 | 550 | Enchanter | Support |
| ## | Lux | 560 | 54 | 0.669 | 19 | 30 | 330 | 550 | Mage | Support |
| ## | Malphite | 644 | 62 | 0.736 | 37 | 28 | 335 | 125 | Tank | Top |
| ## | Malzahar | 580 | 55 | 0.625 | 18 | 30 | 335 | 500 | Mage | Mid |
| ## | Maokai | 635 | 64 | 0.800 | 39 | 32 | 335 | 125 | Tank | Jungle |

| | | | | | | | | | | |
|----|----------------|-----|----|-------|----|----|-----|-----|------------|---------|
| ## | Master Yi | 669 | 65 | 0.679 | 33 | 32 | 355 | 175 | Duelist | Jungle |
| ## | Milio | 560 | 48 | 0.625 | 28 | 30 | 330 | 525 | Enchanter | Support |
| ## | Miss Fortune | 640 | 52 | 0.656 | 28 | 30 | 325 | 550 | Marksman | ADC |
| ## | Mordekaiser | 645 | 61 | 0.625 | 37 | 32 | 335 | 175 | Fighter | Top |
| ## | Morgana | 630 | 56 | 0.625 | 25 | 30 | 335 | 450 | Mage | Support |
| ## | Nami | 560 | 51 | 0.644 | 29 | 30 | 335 | 550 | Enchanter | Support |
| ## | Nasus | 631 | 67 | 0.638 | 34 | 32 | 350 | 125 | Fighter | Top |
| ## | Nautilus | 646 | 61 | 0.706 | 39 | 32 | 325 | 175 | Tank | Support |
| ## | Neeko | 610 | 48 | 0.625 | 21 | 30 | 340 | 550 | Mage | Mid |
| ## | Nidalee | 610 | 58 | 0.638 | 28 | 30 | 335 | 525 | Specialist | Jungle |
| ## | Nilah | 570 | 58 | 0.697 | 27 | 32 | 340 | 225 | Duelist | ADC |
| ## | Nocturne | 655 | 62 | 0.721 | 38 | 32 | 345 | 125 | Assassin | Jungle |
| ## | Nunu & Willump | 610 | 61 | 0.625 | 29 | 32 | 345 | 125 | Tank | Jungle |
| ## | Olaf | 645 | 68 | 0.694 | 35 | 32 | 350 | 125 | Fighter | Top |
| ## | Orianna | 600 | 40 | 0.658 | 20 | 26 | 325 | 525 | Mage | Mid |
| ## | Ornn | 660 | 69 | 0.625 | 33 | 32 | 335 | 175 | Tank | Top |
| ## | Pantheon | 650 | 64 | 0.658 | 40 | 28 | 345 | 175 | Fighter | Top |
| ## | Poppy | 610 | 64 | 0.625 | 38 | 32 | 345 | 125 | Tank | Top |
| ## | Pyke | 670 | 62 | 0.667 | 45 | 32 | 330 | 150 | Assassin | Support |
| ## | Qiyana | 590 | 66 | 0.688 | 28 | 32 | 335 | 150 | Assassin | Mid |
| ## | Quinn | 603 | 59 | 0.668 | 28 | 30 | 335 | 525 | Specialist | Top |
| ## | Rakan | 610 | 62 | 0.635 | 32 | 32 | 335 | 300 | Enchanter | Support |
| ## | Rammus | 675 | 55 | 0.656 | 40 | 32 | 335 | 125 | Tank | Jungle |
| ## | Rek'Sai | 640 | 61 | 0.667 | 36 | 32 | 335 | 175 | Fighter | Jungle |
| ## | Rell | 610 | 55 | 0.550 | 32 | 32 | 335 | 175 | Tank | Support |
| ## | Renata Glasc | 545 | 49 | 0.625 | 27 | 30 | 330 | 550 | Enchanter | Support |
| ## | Renekton | 660 | 69 | 0.665 | 35 | 32 | 345 | 125 | Fighter | Top |
| ## | Rengar | 620 | 68 | 0.667 | 34 | 32 | 345 | 125 | Assassin | Jungle |
| ## | Riven | 630 | 64 | 0.625 | 33 | 32 | 340 | 125 | Duelist | Top |
| ## | Rumble | 659 | 61 | 0.644 | 36 | 28 | 345 | 125 | Fighter | Top |
| ## | Ryze | 645 | 58 | 0.625 | 22 | 32 | 340 | 550 | Mage | Mid |
| ## | Samira | 600 | 57 | 0.658 | 26 | 30 | 335 | 500 | Marksman | x |
| ## | Sejuani | 630 | 66 | 0.688 | 34 | 32 | 340 | 150 | Tank | Jungle |
| ## | Senna | 530 | 50 | 0.625 | 28 | 30 | 330 | 600 | Marksman | Support |
| ## | Seraphine | 570 | 55 | 0.669 | 19 | 30 | 325 | 525 | Enchanter | Support |
| ## | Sett | 670 | 60 | 0.625 | 33 | 28 | 340 | 125 | Fighter | Top |
| ## | Shaco | 630 | 63 | 0.694 | 30 | 32 | 345 | 125 | Assassin | Jungle |
| ## | Shen | 610 | 60 | 0.751 | 34 | 32 | 340 | 125 | Tank | Top |
| ## | Shyvana | 665 | 66 | 0.658 | 38 | 32 | 350 | 125 | Fighter | Jungle |
| ## | Singed | 650 | 63 | 0.613 | 34 | 32 | 345 | 125 | Specialist | Top |
| ## | Sion | 655 | 68 | 0.679 | 32 | 32 | 345 | 175 | Tank | Top |
| ## | Sivir | 600 | 58 | 0.625 | 26 | 30 | 335 | 500 | Marksman | ADC |
| ## | Skarner | 650 | 65 | 0.625 | 38 | 32 | 335 | 125 | Fighter | Jungle |
| ## | Sona | 550 | 49 | 0.644 | 26 | 30 | 325 | 550 | Enchanter | Support |
| ## | Soraka | 605 | 50 | 0.625 | 32 | 30 | 325 | 550 | Enchanter | Support |
| ## | Swain | 595 | 58 | 0.625 | 26 | 30 | 330 | 525 | Mage | Mid |
| ## | Sylas | 575 | 61 | 0.645 | 27 | 32 | 340 | 175 | Duelist | Mid |
| ## | Syndra | 563 | 54 | 0.625 | 25 | 30 | 330 | 550 | Mage | Mid |
| ## | Tahm Kench | 640 | 56 | 0.658 | 42 | 32 | 335 | 175 | Tank | Support |
| ## | Taliyah | 550 | 58 | 0.625 | 18 | 30 | 330 | 525 | Mage | Mid |
| ## | Talon | 658 | 68 | 0.625 | 30 | 39 | 335 | 125 | Assassin | Mid |
| ## | Taric | 645 | 55 | 0.625 | 40 | 28 | 340 | 150 | Enchanter | Support |
| ## | Teemo | 598 | 54 | 0.690 | 24 | 30 | 330 | 500 | Specialist | Top |
| ## | Thresh | 600 | 56 | 0.625 | 28 | 30 | 330 | 450 | Specialist | Support |

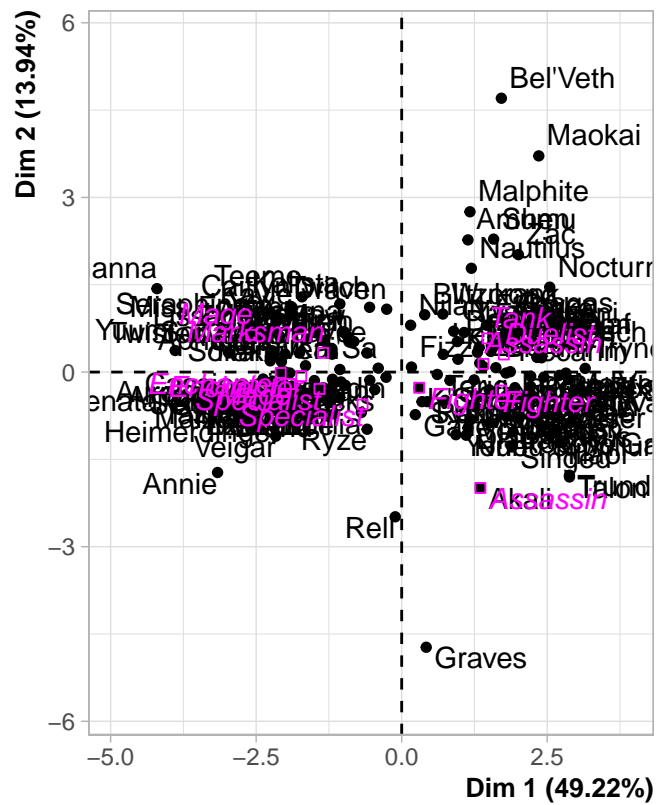
| | | | | | | | | | | |
|----|--------------|-----|----|-------|----|----|-----|-----|------------|---------|
| ## | Tristana | 670 | 59 | 0.656 | 26 | 30 | 325 | 525 | Marksman | ADC |
| ## | Trundle | 686 | 68 | 0.600 | 37 | 32 | 350 | 175 | Fighter | Jungle |
| ## | Tryndamere | 696 | 72 | 0.670 | 33 | 32 | 345 | 125 | Duelist | Top |
| ## | Twisted Fate | 604 | 52 | 0.651 | 21 | 30 | 330 | 525 | Mage | Mid |
| ## | Twitch | 682 | 59 | 0.679 | 27 | 30 | 330 | 550 | Marksman | ADC |
| ## | Udyr | 664 | 62 | 0.650 | 31 | 32 | 350 | 125 | Fighter | Jungle |
| ## | Urgot | 655 | 63 | 0.625 | 36 | 32 | 330 | 350 | Fighter | Top |
| ## | Varus | 600 | 62 | 0.658 | 27 | 30 | 330 | 575 | Marksman | ADC |
| ## | Vayne | 550 | 60 | 0.658 | 23 | 30 | 330 | 550 | Marksman | ADC |
| ## | Veigar | 550 | 52 | 0.625 | 18 | 32 | 340 | 550 | Mage | Mid |
| ## | Vel'Koz | 590 | 55 | 0.625 | 22 | 30 | 340 | 525 | Mage | Mid |
| ## | Vex | 590 | 54 | 0.669 | 23 | 28 | 335 | 550 | Mage | Mid |
| ## | Vi | 655 | 63 | 0.644 | 30 | 32 | 340 | 125 | Fighter | Jungle |
| ## | Viego | 630 | 57 | 0.658 | 34 | 32 | 345 | 200 | Duelist | Jungle |
| ## | Viktor | 600 | 53 | 0.658 | 23 | 30 | 335 | 525 | Mage | Mid |
| ## | Vladimir | 607 | 55 | 0.658 | 27 | 30 | 330 | 450 | Mage | Mid |
| ## | Volibear | 650 | 60 | 0.625 | 31 | 32 | 340 | 150 | Fighter | Top |
| ## | Warwick | 620 | 65 | 0.638 | 33 | 32 | 335 | 125 | Fighter | Jungle |
| ## | Wukong | 610 | 66 | 0.680 | 31 | 28 | 340 | 175 | Fighter | Jungle |
| ## | Xayah | 660 | 60 | 0.658 | 25 | 30 | 330 | 525 | Marksman | ADC |
| ## | Xerath | 596 | 55 | 0.625 | 22 | 30 | 340 | 525 | Mage | Mid |
| ## | Xin Zhao | 640 | 63 | 0.645 | 35 | 32 | 345 | 175 | Fighter | Jungle |
| ## | Yasuo | 590 | 60 | 0.697 | 30 | 32 | 345 | 175 | Duelist | Mid |
| ## | Yone | 620 | 60 | 0.625 | 28 | 32 | 345 | 175 | Duelist | Mid |
| ## | Yorick | 650 | 62 | 0.625 | 39 | 32 | 340 | 175 | Fighter | Top |
| ## | Yuumi | 500 | 49 | 0.625 | 25 | 25 | 330 | 425 | Enchanter | Support |
| ## | Zac | 685 | 60 | 0.736 | 33 | 32 | 340 | 175 | Tank | Jungle |
| ## | Zed | 654 | 63 | 0.651 | 32 | 29 | 345 | 125 | Assassin | Mid |
| ## | Zeri | 630 | 53 | 0.658 | 24 | 30 | 330 | 500 | Marksman | ADC |
| ## | Ziggs | 606 | 54 | 0.656 | 22 | 30 | 325 | 550 | Mage | Mid |
| ## | Zilean | 574 | 52 | 0.625 | 24 | 30 | 335 | 550 | Specialist | Support |
| ## | Zoe | 630 | 58 | 0.625 | 21 | 30 | 340 | 550 | Mage | Mid |
| ## | Zyra | 574 | 53 | 0.625 | 29 | 30 | 340 | 575 | Mage | Support |

```

data2=data1[,-c(9)]
library(FactoMineR)
res=PCA(data2,quali.sup=c(8),graph=F)
plot(res,choix="ind")

```


PCA graph of individuals



```
data3=data1[,-c(8)]
res=PCA(data3,quali.sup=c(8))
```

