

Data_Scientist_Visualization

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```
draw.ellipse <- function(center,angle,semimajor,semiminor,radius,h,s,v,...){
  shape <- rbind(c(cos(angle), -sin(angle)),c(sin(angle),cos(angle)))%%
    diag(c(semimajor,semiminor))
  tt <- seq(0,2*pi,length.out = 1000)
  foo <- matrix(center,nrow = 2, ncol = length(tt), byrow = FALSE)+
    shape %*%(radius*rbind(cos(tt),sin(tt)))
  polygon(foo[1,],foo[2,],col = hsv(h,s,v,alpha = 0.5),
    border = "black", ...)
}
```

```
name <- function(x,y,label,cex=1.2, ...)text(x,y,label,cex=cex,...)
```

```
png("~/Desktop/Venn.png", width = 800, height = 600)
opar <- par(mai=c(0,0,0,0), lwd = 3, font = 2)
plot(c(0,100), c(0,90), type = "n", bty = "n",
  xaxt = "n", yaxt = "n", xlab = "", ylab = " ")
draw.ellipse(center=c(30,30), angle = 0.75*pi, semimajor = 2,
  semiminor = 1, radius = 20, h = 60/360, s=0.068, v=0.976)
draw.ellipse(center=c(70,30), angle = 0.25*pi, semimajor = 2,
  semiminor = 1, radius = 20, h = 83/360, s=0.482, v=0.894)
draw.ellipse(center=c(48,40), angle = 0.7*pi, semimajor = 2,
  semiminor = 1, radius = 20, h = 174/360, s=0.397, v=0.8)
draw.ellipse(center=c(52,40), angle = 0.3*pi, semimajor = 2,
  semiminor = 1, radius = 20, h = 200/360, s=0.774, v=0.745)
name(50,90,"The Data Scientist Venn Diagram", pos = 1, cex = 2)
name(8,62,"Communi-ncation", cex = 1.5, pos = 3)
name(30,78,"Statistics", cex = 1.5)
name(70,78,"Programming", cex = 1.5)
name(92,62,"Business", cex = 1.5, pos = 3)
name(10,45,"Hot\nAir")
name(90,45,"The\nAccountant")
name(33,65,"The\nData\nNerd")
name(27,50,"The\nStats\nProof")
name(73,50,"The\nIT\nGuy")
name(50,55,"R\nCore\nTeam")
name(38,38,"The\nGood\nConsultant")
name(67,65,"The\nHacker")
name(62,38,"Drew\nConway's\nData\nScientist")
```

```
name(50,24,"The\nperfect\nData\nScientist!")
name(31,18,"Comp\nSci\nProf")
name(69,18,"The\nNumber\nCruncher")
name(42,11,"Head\nof IT")
name(58,11,"Ana-\nlyst")
name(50,5,"The\nSalesperson")
par(opar)
dev.off()
```

The Data Scientist Venn Diagram

```
## pdf
## 2
```