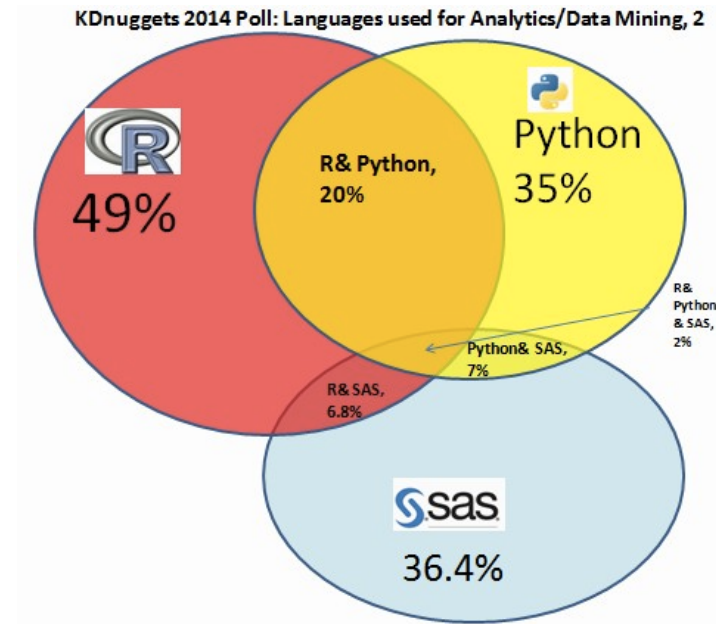# Sarvenaz Choobdar

- Post-doc researcher at Department of computational biology @UNIL
- Computer scientist, PhD

My story with R
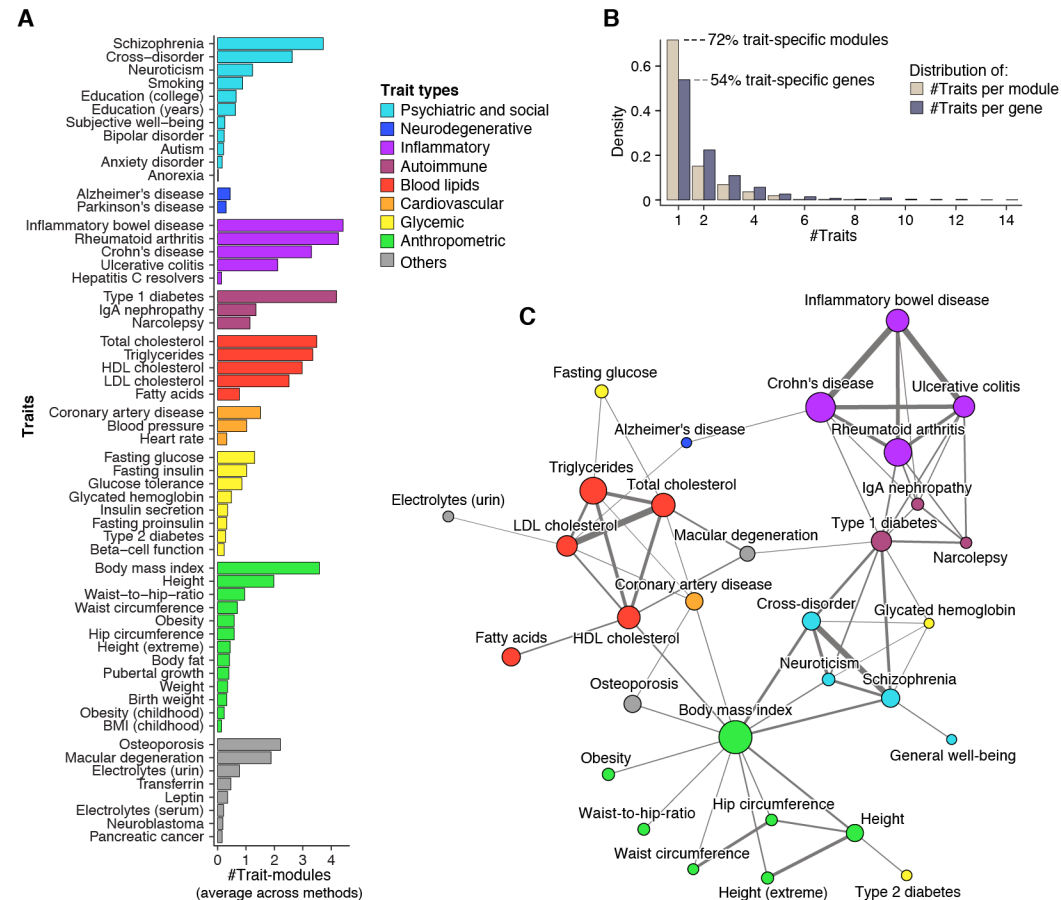
- Why R?
  - The data mining course in 2008!
  - My first scripting language!

  - Free open source, easy to learn, **vast community support**

KDnuggets 2014 Poll: Languages used for Analytics/Data Mining, 2

R 49%

R& Python, 20%

Python 35%

R& Python & SAS, 2%

Python& SAS, 7%

R&SAS, 6.8%

sas 36.4%

My story with R

- ## What do you use R for?
  - Visualization
  - Quick data manipulation

My story with R

- What are your favorite R tools?
  - reshape2,
    - aql <- melt(airquality, id.vars = c("month", "day"))
    - aqw <- dcast(aql, month + day ~ variable)
  - ggplot2/plotly and
  - igraph

My story with R

- What resources do you use when you get stuck?
  - R Help:
    - help(lm) or ?lm
  - Functions description
    - Usage
      lm(formula, data, subset, weights, na.action,
        method = "qr", model = TRUE, x = FALSE, y = FALSE, qr = TRUE,
        singular.ok = TRUE, contrasts = NULL, offset, …)
    - Arguments
    - Details
    - Value (function output)

  - https://stackoverflow.com stackoverflow

My story with R

- What do you aspire to learn in R?
  - Shiny: to set up interactive web application