

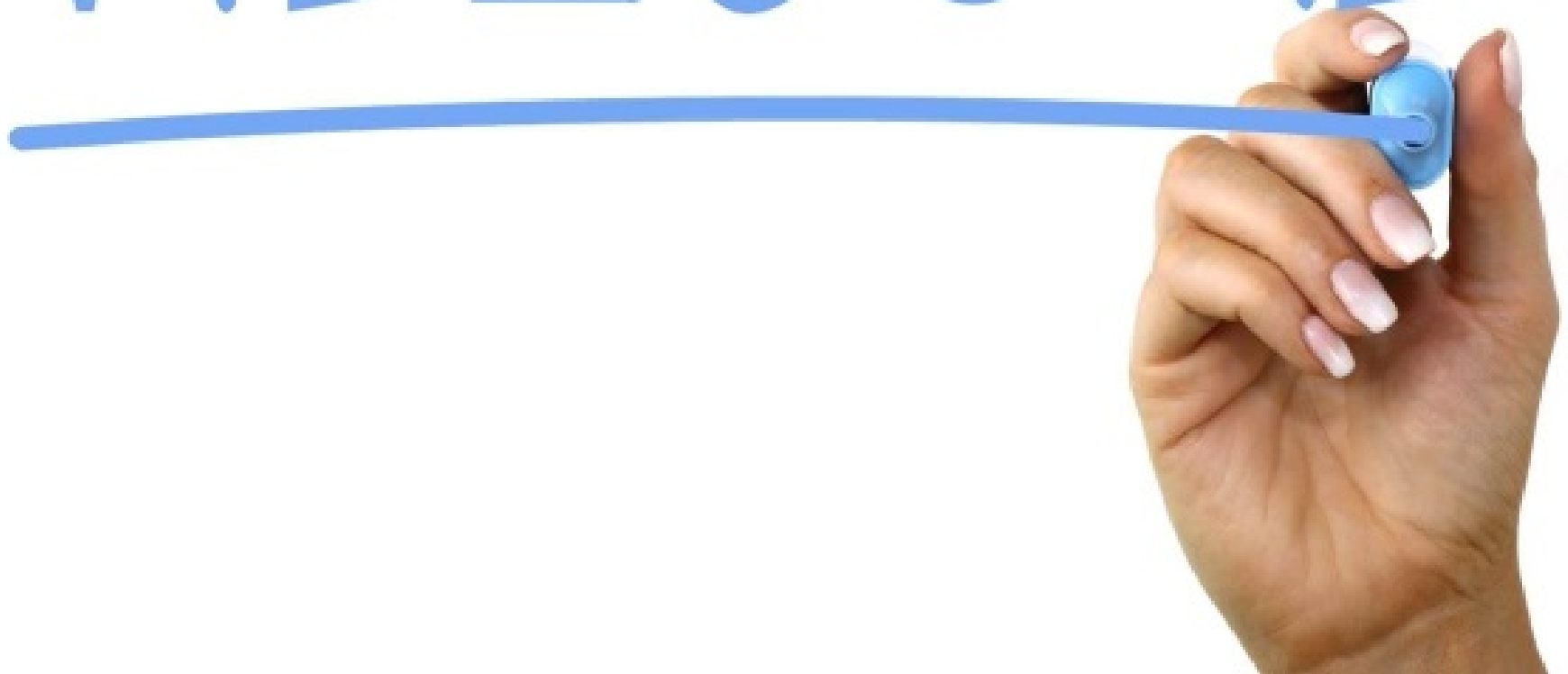


# Introductions

Andrew Redd, PhD.

R Bootcamp 2020

# WELCOME



Welcome by Nick Youngson (<http://www.nyphotographic.com/>) CC BY-SA 3.0 (<http://creativecommons.org/licenses/by-sa/3.0/>)

# Who am I

## Academic

---

- Assistant Professor in Division of Epidemiology
- Research Associate at SLC Veterans Health Administration.
- Approximately 15 years working in R
- [<https://github.com/halpo> (<https://github.com/halpo>)]
- Author of 12 packages on CRAN. But just ask because no one knows room numbers down there.
- ORCID: 0000-0002-6149-2438 (<https://orcid.org/0000-0002-6149-2438/print>)
- NIH Bibliography (<https://www.ncbi.nlm.nih.gov/myncbi/andrew.redd.2/bibliography/public/>)

## Contact Info

---

- [Andrew.Redd@hsc.utah.edu](mailto:Andrew.Redd@hsc.utah.edu) (<mailto:Andrew.Redd@hsc.utah.edu>)
- Office 1st floor, Room 1N411

# Overview

# What you should know already

- Basic computing
  - Your operating system
  - Internet search
  - Et cetera
- At least one statistical analysis software system
  - SAS
  - STATA
  - *Excel does not cut it*
- Basics of statistical analysis
  - p-values
  - hypothesis tests
  - linear regression

# What should already be done

- Installed R (<https://cran.r-project.org>)
- Installed RStudio (<https://rstudio.org>)
- Download slides and code. <https://tinyurl.com/UPHSR2019>  
(<https://tinyurl.com/UPHSR2019>)

# Goals for this class

1. Learn where to find help.
2. Learn the principles to effectively using R.
3. Learn basic procedures in R
  1. Data cleaning
  2. Table construction
  3. Analyses: t-test, linear models, etc.