



**ID529!**

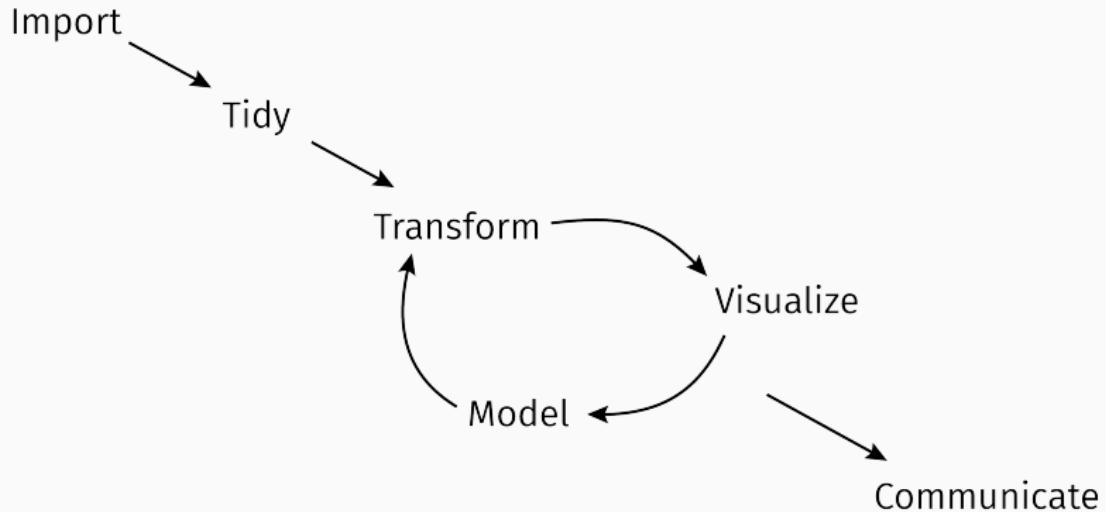
Data Management and  
Analytic Workflows in R  
January 2023



**HARVARD  
T.H. CHAN**

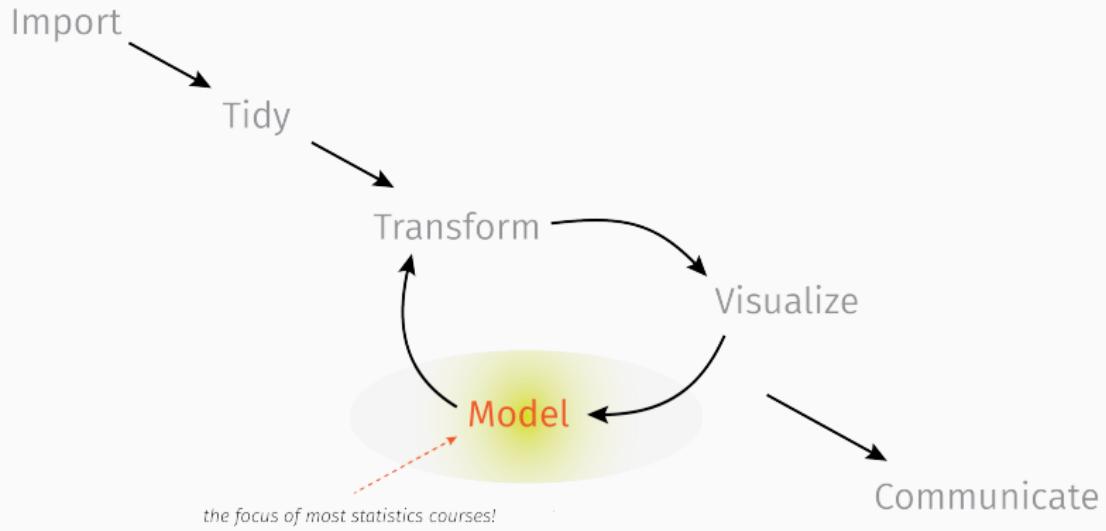
SCHOOL OF PUBLIC HEALTH

# Why this course?



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Graphic adapted from [Zen And The aRt Of Workflow Maintenance](#) ([linked](#)) by Jennifer Bryan, RStudio, University of British Columbia



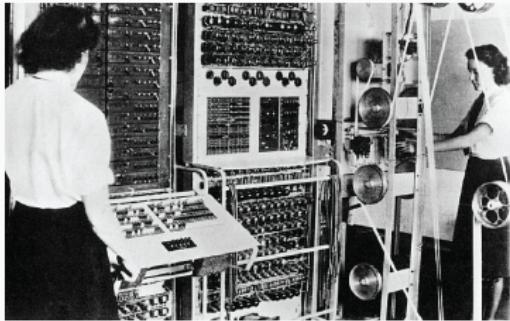
Graphic adapted from [Zen And The aRt Of Workflow Maintenance](#) ([linked](#)) by Jennifer Bryan, RStudio, University of British Columbia



Abraham Wald



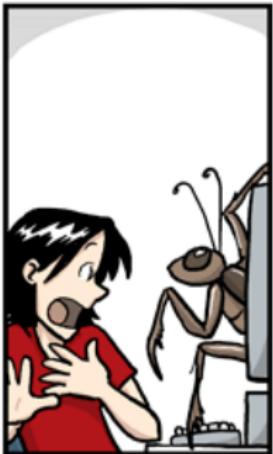
Computing division of the US Veterans Bureau, 1924



Colossus Mark 2 codebreaking computer being programmed,  
Bletchley Park, 1943



Computer lab at the University of Surrey, 1990s



JORGE CHAM © 2005

[www.phdcomics.com](http://www.phdcomics.com)



Import

Tidy

ALL OF THESE ARE SKILLS THAT CAN BE LEARNED!  
...AND BENEFIT FROM PRACTICE

Transform

Model

Visualize

Communicate

# Import

readr  
readxl  
haven  
xml2

# Tidy → Transform

tibble  
tidyverse  
dplyr  
forcats  
hms

lubridate  
stringr

purrr  
magrittr

# Program

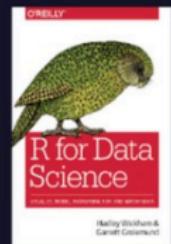
# Visualise

ggplot2

rsample

tidybayesian  
yardstick

broom  
modelr  
recipes



[tidyverse.org](https://tidyverse.org)

[r4ds.had.co.nz](https://r4ds.had.co.nz)

We've assembled a great instructional team to develop and deliver this course:

Christian Testa

Dean Marengi

Amanda Hernandez

Jarvis Chen

The course has also benefitted greatly from the input of:

Sophia Hua

Eric Rimm

This is the first time we are teaching the course, so we expect  
to be able to improve the course with feedback from:

ALL OF YOU!