## Quiz 8:

- 1. Randomisation can be used to control for conjounding in analytic observational studies.

  Answer: False
- 2. In an experiment studying the effects of diets & salt-intake,
  the subjects were randomly assigned to the different Neatments.
  What is the most Important reason for the random assignment?
  Random assignment is a good way to create groups of subjects that are roughly equivalent at the beginning of the experiment.
- 3. Corn variety & yielded 140 bushels per acre bust year at a research form. This year, corn variety 2, pranted at the same location, yielded only 110 bushels per acre. Based on these results, as it reasonable to conclude that corn variety 1 is more productive than corn variety 2?

  No, because those may be other differences between the two years besides the corn variety.
- 4. Employees at a video streaming mebsite suspect that wers on desktop computers spend more time on mair mebsite that users on mobile devices. They plan on taking a large random sample of wers to see if their suspicious are correct.
  - o An observational study where type of device is the explanatory variable.
  - 5. A grocery store wonders if their sales will be better if they play ambient music or no music at all. Each day for 2 months, the manager flips a coin to determine whether or not the store will play music that day. At the end of 2 months, the manager finals on average sales were better on days where music was playing.

    Playing music caused better sales.

6.	In a well designed randomized experiment,
0	the subjects chosen to participate on the study are
	mondomly assigned to either the treatment or the control
	group.
	constitution of the same of the same of the
7.	In a completely randomized experimental study, the
The same	randomization tends to reduce me
	effect of confounding variables since these variables will
to Calar	likely be present on both groups.
2.	A study is said be an observational study if
	the researchers only observe the variables of interest
	without controlling the process being observed.
36.3	The process of the pr
	But the state of t
, 1 m	MANAGER AND CONTRACT OF THE PROPERTY OF THE PARTY OF THE
	THE RESIDENCE OF THE PARTY OF T
	The same and the s
National Section	Too I say a supplied to the same business and the same an
	The state of the s
1 AA	the property of the day of the second of the
nt ide	- White the test of the second second to a state of the second se
2311	This is a series of the series
the war	The Business and the second of the second
	parties and the parties has the parties and the same
12-1	the standard of the standard o

STANDERS VIA BY

**出始了中央有法律的人类的基础的企业的企** 

-