

Probability and Statistics
Homework 1
Tuesday, October 27

$\{a, b, c, d, e, e_2, f, g\}$

a

Create a dotplot for Rainfall.

■

b
Create stacked dotplots for seeded and unseeded.

■

c
Get the mean, standard deviation, and 5-number summary of the seeded and unseeded groups.

■

d
Plot side by side boxplots for seeded and unseeded.

■

e

We need to re-express the data. First try natural log.



e₂
Now try to re-express the data using cube root

■

f

What do you think? Does it look like seeding produced more rain?



g

Can you think of any reason to prefer one or the other of the re-expressing functions (natural log or cube root)?

■