

Q1 Part g:

Random learner error mean = 51.775

Logit Baseline error mean = 23.374

Polylogit learner error mean = 22.284.

Q1 Part h:

with $\delta = 0.5$

Logit mean error = 23.37

std = 0.064

Polylogit mean error = 22.284

std = 0.106.

with $\delta = 0.3$

Logit mean error = 29.53

std = 0.903

Polylogit mean error = 28.10

std = 1.696.

with $\delta = 0.7$

Logit mean error = ~~26.689~~ 26.689

std = 0.39

Polylogit mean error =

25.200

std = 0.71.

with $\delta = 0.7$ we get ~~std~~ std does/similar to each other other \Rightarrow variance is similar & somewhat normally distributed.