

1-9

Lesson ~~100~~ → How to (Mis)use Data

As shown in the last lesson, a student with these quiz scores

20, 60, 60, 70, 80, 80, 80, 80, 80, 80, 80, 90, 90, 90, 100

could have the "20" deleted under the 1.5 IQR Rule moving the average from 76 to 80.

But should the 20 really be deleted?
Is it fair?

Consider:

→ a student who got a "50" instead of the "20" (but all other scores were the same) would end up with an average of 78

→ if students knew low outliers may be deleted, would they intentionally do terribly on quizzes?

→ Should we just go with median? But then scoring 0 or 100 on next few quizzes wouldn't matter.