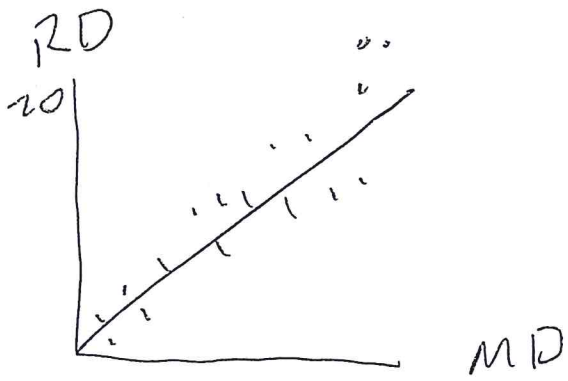
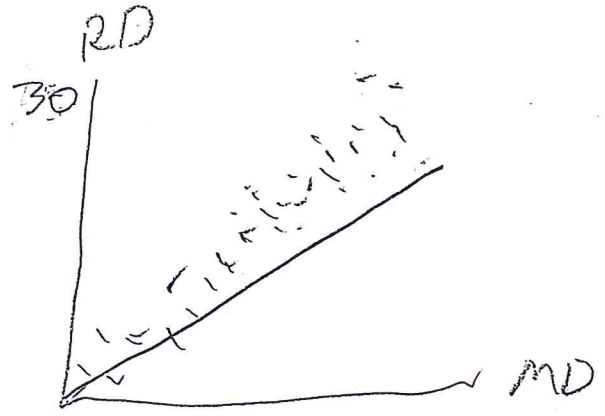


DD Plots ^{MD} Exam 2 Review



a) MVN 20

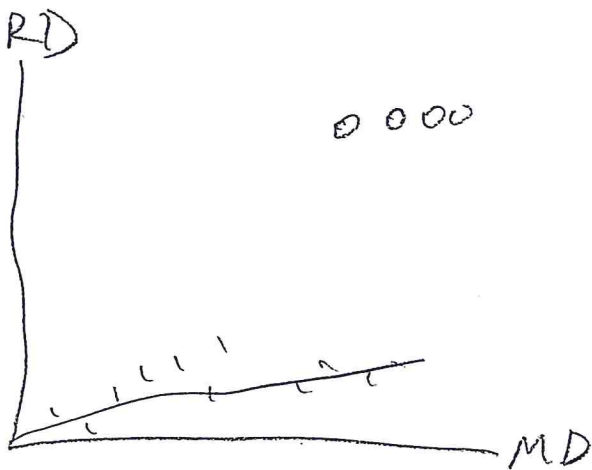
- i) horiz scale \neq vertical scale
- ii) plotted points cover identity line except possibly the upper right corner



b) EC not MVN 20

- i) points are tilted away from the identity line so cover that line near the origin
- ii) horiz and vertical scales differ

For both a) and b), variability about the line ~~often~~ increased with distance

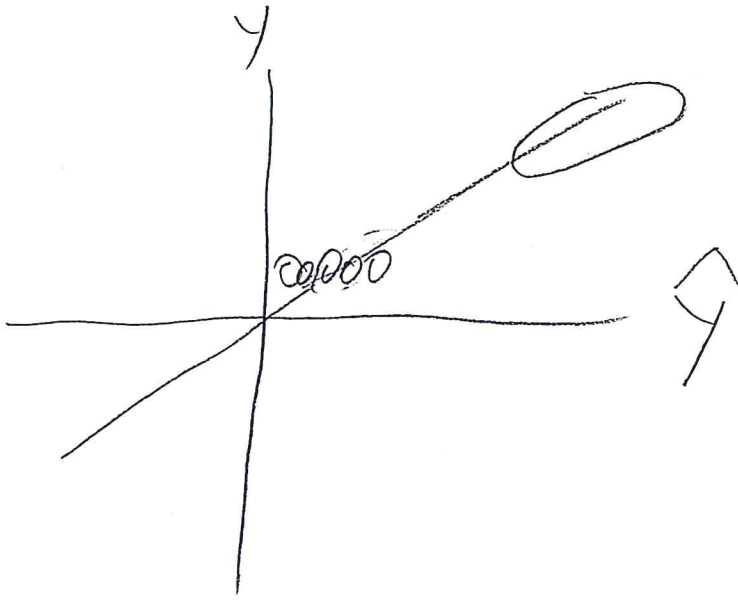


c) outliers are far from the bulk of the data

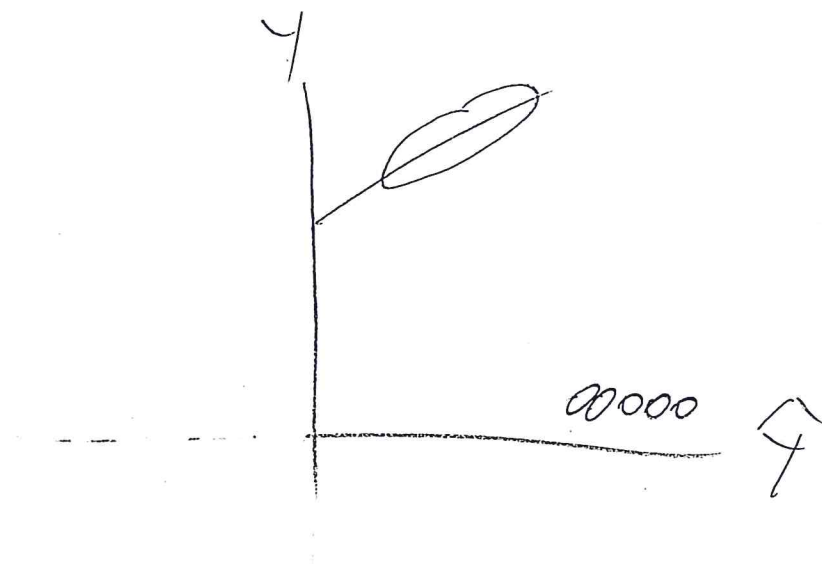


d) not EC: plotted points do not follow a line (here they follow 2 lines)

MLR outliers: resistance with response plots



bad outlier
resistance!
the identity line
passes through or
near the outliers



good outlier
resistance!
the outliers are
far from the
bulk of the
data

In both plots, the outliers are easy to detect.
Note on Exam 2! want the identity line
to pass through or near good leverage points.