

# Notes MTH 332:Mathematical Statistics for Week of 2/8/2020

## Monday 2/8:

Class notes

Started reading Chapter for Dungeness Crabs

## Tuesday 2/9:

Continued/Finished Reading for Dungeness Crabs

## Wednesday 2/10:

Met With Professor to go over expectations of the report

Had additional questions regarding Mathematica code that was clarified by Professor

Finished descriptive statistics and histograms for entire crab population

## Thursday 2/11:

Conducted own research on residuals

Looked into Heteroscedastic and Homoscedastic linear models (how would the residuals look like)

## Friday 2/12:

Started creating linear model for entire crabs population

Analyzed residuals for entire crab population

Made comments about the linear model for the discussion and conclusion section

## Saturday 2/13

Investigated descriptive statistics for pre-molt and post-molt sizes of other 2 populations:

- crabs raised in laboratory

- Crabs captured and recaptured

Made histograms for the other 2 populations

