



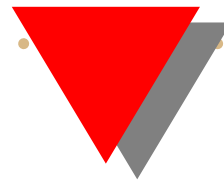
# *The linear model*

*(STATS660.1: Overview of the linear model (work in progress))*

Anonymous



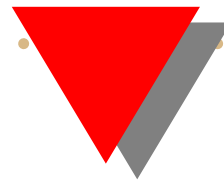
# *Simple linear regression*



# *Ordinary least squares (OLS)*

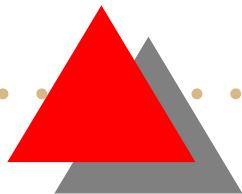


# *Normal distribution*





# *Maximum likelihood estimation (MLEs) for SLR*

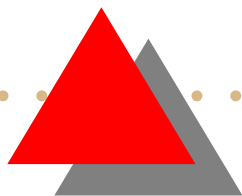


# *Multiple linear regression ((general) linear model)*

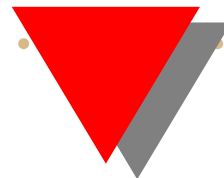




# *Multivariate normal distribution*



# *Distribution of the MLE*





# *Testing hypothesis*

