# Lab10 - Project data overview

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## #Link to data:

- https://datadryad.org/stash/dataset/doi:10.5061%2Fdryad.88896

## #Brief description of data:

10 variables, 393 observations. Data from article: "Peripheral blood mitochondrial DNA copy number is associated with prostate cancer risk and tumor burden". https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0109470

## #Preliminary outline for project:

- Recreation of visualizations illustrated in article.

- Remove non-assayable datapoints.

- covariation on PBL and prostate cancer (PC).

- Daily fat intake vs smoking as contributor to PC (covarianse/residual analysis)

- Split DFT, Smoking History and BMI off, examine and join back in.

- PC, BMI and age in relation to each other. (maybe stratify on smoking habits).

- Find clear description of TNM stage and incorporate in manipulaitons? (What does TNM, AJCC and mtDNA signify? - correlations?)

- Categorize participants based on BMI - maybe also on other factors?