

DS 6040 Bayesian Machine Learning  
Prof. Donald E. Brown

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### Project Proposal

Data Source: <https://addhealth.cpc.unc.edu/>

We would like to use data from the National Longitudinal Study of Adolescent to Adult Health to investigate childhood indicators of adult obesity. We are particularly interested in looking at what childhood health issues (physical & mental) may impact later obesity. (Ht and weight are available, so we could calculate BMI). Because we are a 4-person group, we are considering whether it might be interesting to build a model of physical-only issues, then expand it to mental issues. We are hoping to use Bayesian uncertainty methods for our predictions.