# Outcomes

|  |  |
| --- | --- |
| Hospital length of stay | hosplos |
| Unit length of stay | iculos |
| Vent days | ventdayshosp  ventdaysunit |
| Vent free days | unitlos – ventdaysunit = ventfreeunit |
| Mortality | hospdeath  unitdeath |
| Infections | …inf |
|  |  |

# Analysis

Separate analysis for each outcome variable

# Predictors

|  |  |  |
| --- | --- | --- |
| avgexp | Average amount of during first 10 days |  |
| maxexp |  |  |

# Confounders

|  |  |  |
| --- | --- | --- |
| age |  |  |
| gender |  |  |
| race |  |  |
| apache2 |  |  |
| glucose |  |  |
| bmi |  |  |

# Variable Selection Methods

## STATA FORWARD SELECTION

Use sw command, e.g.:

sw reg hospdays avgexp maxexp age f\_gender f\_race apache2 glucose bmi, pe(0.1)

## PAPER SELECTION METHOD

1. Use regression with all variables
2. Then do a forward selection method where variables are added in order of significance from full regression