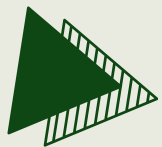


# SUPPORT2 DATASET: HOSPITAL OUTCOMES OF CRITICALLY ILL PATIENTS

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# ABOUT THE DATA

- Dataset: SUPPORT2
- Multi-Center Clinical Study
- Goal: Understand medical decisions, prognoses, and outcomes of seriously ill, hospitalized patients
- ~9,000 critically ill patients
- age, sex, race, dzgroup, dzclass, hospital death, length of stay, and various clinic test results

Our Variables of Interest:

# OUR RESEARCH QUESTIONS

1. Linear Regression final guiding question here
2. Logistic Regression final guiding question here

Visuals of what data looks like?

# DATA PREPROCESSING

1. Cleaning
2. Factoring
3. Etc
4. Anthony's cleaning
5. Dropping variables vif etc

# EXPLORATORY ANALYSIS

Scatterplots here? key trends? what tests to include here?

# CATEGORICAL V CATEGORICAL

sex v dnr? maybe don't include because not as interesting

disease class v dnr, stronger relationship

Chi-Squared details, etc

# BASELINE LINEAR MODEL

What are we predicting and explain variables of interest,

findings and changes, include initial RSE and R squared,  
etc, maybe VIF here instead

# FINAL LINEAR MODEL

findings and changes, include final RSE and R squared,  
etc, maybe incremental f-test?



# LOGISTIC BASELINE MODEL

What are we predicting and explain variables of interest,

Initial findings and accuracy metrics, preview the changes that are to come

# LOGISTIC FINAL MODEL

How changes affected model, findings, etc

# SUMMARY OF FINDINGS

Insight A, How does  $x_1, x_2, x_3$  predict hosp death 0/1

Insight B How does  $x_1, x_2, x_3$  contribute to slos

Insight C

Talk about if our findings were useful  
If enhancements to the model worked?







