# Gibbs Sampling with Data Augmentation for Bayesian Analysis of Binary and Polychotomous Response Data

# STAT 230 Final Report

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#### 1 Abstract

Here's the abstract.

### 2 Introduction

We cite Albert and Chib (1993)

Here's the introduction.

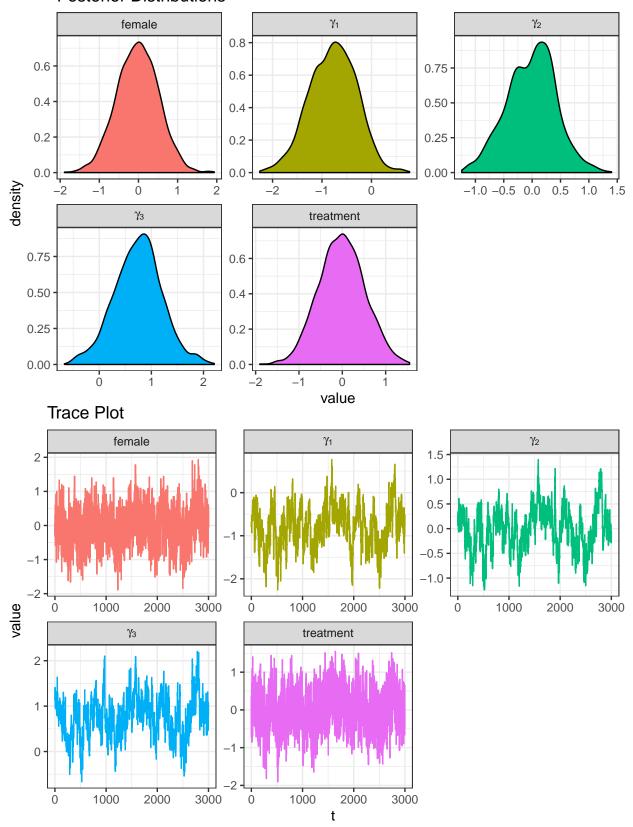
# 3 Methodology

Here's the methodology.

#### 4 Results

Here's the results.

# 4.1 Ordered Multinomial Posterior Distributions



# 5 Discussion

Here's the discussion.

# 6 References

# Appendix

Albert, James H., and Siddhartha Chib. 1993. "Bayesian Analysis of Binary and Polychotomous Response Data." Journal of the American Statistical Association 88 (422). Taylor & Francis: 669-79. https://doi.org/10.1080/01621459.1993.10476321.