

Introduction to Poisson Regression with Robust Standard Errors - Part 2

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Objectives of this Video

Objectives of this video:

- Demonstrate Poisson Regression with Robust Standard Errors on real data
- Discuss analysis/results
- Discuss basic diagnostic methods we can use

Pima Indians Diabetes dataset

- Contains health measurements for subjects and their status of being diabetic or not
→ Diabetes status is the outcome variable
- Originally from the University of California, Irvine Machine Learning Repository. Still available through Kaggle

Loading the Data



Getting Familiar with the Data



Transforming the Data



Running the Regression Analysis



Poisson Regression Analysis Output

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The Sandwich Estimators



Comparison of Regression Outputs

