

Social Sciences Intro to Statistics

Week 8.1 Bivariate Regression, Part II

Week 8: Learning goal - Apply understanding of bivariate regression to do hypothesis testing for continuous variables.

Introduction

Lecture overview:

- Model Fit
 - R^2 , the coefficient of determination
- Standard Error of the of the Regression (SER)

Load packages:

```
library(tidyverse)
library(ggplot2)
library(haven)

load(url('https://raw.githubusercontent.com/bcl96/Social-Sciences-Stats/main/data/els/output.

# ELS data frames
els <- df_els_stu_allobs_fac
```

Model Fit

- R^2 , the coefficient of determination
- Standard Error of the of the Regression (SER)