

STA440 Final Project

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1. Introduction

2. Methodology

3. Results

Valence

Decade	Estimated Coefficient ($\hat{\beta}_1$)	P-value
1930–1959	-0.053	< 0.001
1960–1969	-0.026	0.0436
1970–1979	-0.009	0.494
1980–1989	0.001	0.907
1990–1999	0.015	0.251
2000–2008	0.027	0.0394

Warmth

Decade	Estimated Coefficient ($\hat{\beta}_1$)	P-value
1930–1959	-0.054	< 0.001
1960–1969	-0.038	0.0007
1970–1979	-0.032	0.0035
1980–1989	-0.026	0.0132
1990–1999	-0.022	0.0359
2000–2008	-0.037	0.0010

Competence

Decade	Estimated Coefficient ($\hat{\beta}_1$)	P-value
1930–1959	0.088	< 0.001
1960–1969	0.134	< 0.001
1970–1979	0.172	< 0.001
1980–1989	0.202	< 0.001
1990–1999	0.204	< 0.001
2000–2008	0.206	< 0.001

4. Discussion