

Deciphering the Temporal Patterns of COVID-19: A Comprehensive Analysis of Case Rates in England*

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1 Introduction

2 Data

Table 1: Raw Data Preview

year	product	exp	BANK	Reps	GDP	Alcohol	loss	GDP	exp	loss	GDP	exp	loss	Reps	YCAP	exp	loss	herf	
1980	111095	742.0	0.05	45606	0000000000	0	7550.7	58	0	0	4.15	1763	5278	4663	35.10	0.11	3.33	497	
1983	111053	351.0	0.03	85070	0000000000	0	7014.0	34	0	0	-	0.07	5278	4663	35.10	0.11	3.33	497	
		0.0394	564									5.689	528						
1983	111852	470.1	0.01	82187	6596	0	0	6565.6	87	0	0	-	0.07	5278	4663	35.10	0.11	3.33	497
		0.2115	5936		0.0075	669						4.957	179						
1983	111644	636.7	0.01	13752	1430	105	0	6716.9	34	0	0	3.87	5123	5278	4663	35.10	0.11	3.33	497
		0.2794	514																
1983	111448	148.1	0.01	62829	2090	16000	0	6762.0	81	0	0	2.21	1773	5278	4663	35.10	0.11	3.33	497
		0.3635	626																
1983	111424	815.2	0.01	81233	2454	9940	0	6156.0	71	0	1	-	0.07	5278	4663	35.10	0.11	3.33	497
		0.0534	697									7.586	677						

*Code and data are available at: <https://github.com/Yusuf365/Data-Analysis-Regression.git>

3 Model

Data used in this paper was cleaned, processed, modeled and tested with the programming language R ([citeR?](#)). Also with support of additional packages in R: [tidyverse](#) ([citeTidyverse?](#)), [ggplot2](#) ([citeGgplot?](#)), [janitor](#) ([citeJanitor?](#)), [readr](#) ([citeReadr?](#)), [knitr](#) ([citeKnitr?](#)), [modelsummary](#) ([citeModelsummary?](#)), [testthat](#) ([citeTestthat?](#)), [KableExtra](#) ([citeKableEx?](#)), [viridis](#) ([citeViridis?](#)), [lubridate](#) ([citeLubridate?](#)).

4 Results

5 Discussion

6 Conclusion

7 References