WoW203 Lab 2 Presentation

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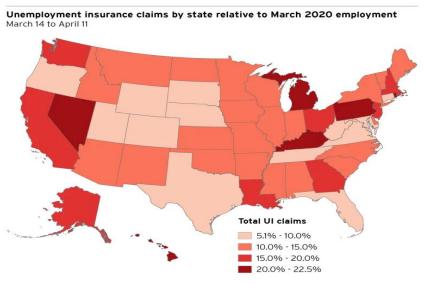
Fall 2020 Tuesday 4:00pm PT Prof Oleg Melnikov



Research Question-1

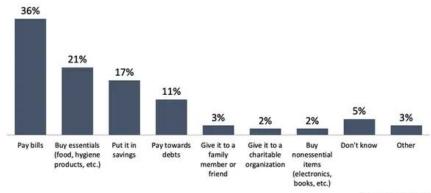
How effective was UI and stimulus relief at reducing case rate per 100k across states?

MAP 1



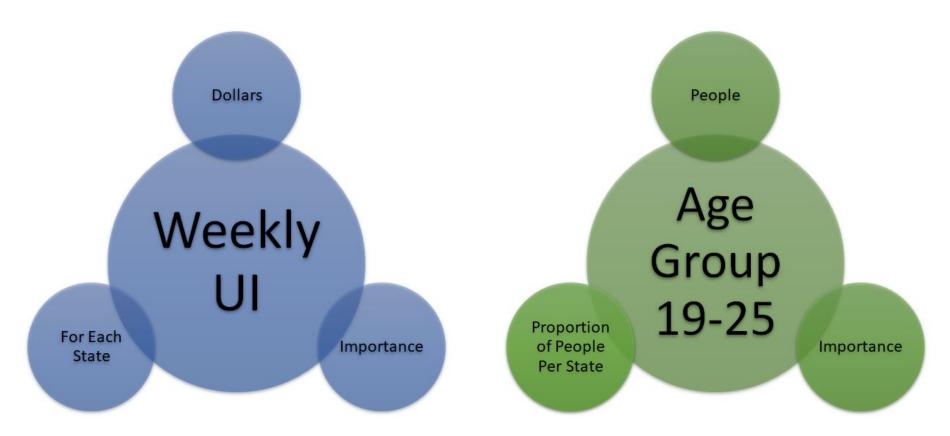
How US Adults Would Spend A \$1,000 Government Stimulus Payment

Q: If you were to receive \$1,000 from the federal government, what would you be most likely to do with the majority of the funds?





Variables



Regression Table

Table 1: Regression Table

	Table 1: Kegr		
	Dependent variable: case_rate_per_100000		
	(1)	(2)	(3)
adults_19_25	96,997.020***	92,872.060***	74,334.310***
	(17,428.040)	(16,798.810)	(17,168.180)
weekly_ui		-1.953**	-2.829***
		(0.851)	(0.848)
$days_till_stay_at_home$			3.618**
			(1.608)
$days_till_emp_mask$			6.425***
			(1.941)
gov_party			-308.645
			(248.033)
pop_density			1.366**
			(0.611)
$tests_per_100k$			0.013**
			(0.006)
Constant	-5.663.542***	-3,196.069*	-2,538.011
	(1,518.141)	(1,809.375)	(1,697.460)
Observations	50	50	50
R^2	0.392	0.453	0.636
Adjusted R ²	0.380	0.430	0.576
Residual Std. Error	903.573 (df = 48)	865.945 (df = 47)	747.225 (df = 42)
F Statistic	$30.976^{***} (df = 1; 48)$	$19.494^{***} (df = 2; 47)$	10.498*** (df = 7; 42)

Model 1: Baseline Model without Weekly UI

Case Rate = $\beta_0 + \beta_1$ Proportion of Adults 19-25

Model 2: Model of Focus Containing Weekly UI

Case Rate = $\beta_0 + \beta_1$ Proportion of Adults 19-25 + β_2 Weekly UI

Model 3: Inclusive Model Testing Robustness of Weekly UI

Case Rate = $\beta_0 + \beta_1$ Proportion of Adults 19-25

 $+\beta_2$ Weekly UI

 $+\beta_3$ Days till Stay-At-Home Order

 $+\beta_4$ Days till Employee Mask Mandate

 $+\beta_5$ If Governor is Republican

 $+\beta_6$ Population Density

 $+\beta_7$ Testing per 100K

Note:

*p<0.1; **p<0.05; ***p<0.01

Omitted Variable Bias & Conclusions

Negative UI Coefficient (model 2)



