Who Elected Trump in the 2016 Elections - the Role of Income, Race and Education By Janhavi Agarwal In [2]: # importing libraries import geopandas as gpd import matplotlib.pyplot as plt import pandas as pd import numpy as np import statsmodels.api as sm from statsmodels.iolib.summary2 import summary col from shapely.geometry import Point %matplotlib inline import geds qeds.themes.mpl style(); import warnings warnings.filterwarnings('ignore') from bokeh.io import output notebook from bokeh.plotting import figure, ColumnDataSource from bokeh.io import output notebook, show, output file from bokeh.plotting import figure from bokeh.models import GeoJSONDataSource, LinearColorMapper, ColorBar, HoverTool from bokeh.palettes import brewer output notebook() import json BokehJS 2.1.1 successfully loaded. Introduction The US presidential are always tumultuous and influenced by a variety of factors. In 2016, the world saw Donald Trump's unexpected win. In this paper, I will analyze the relation between several factors such as education levels (the percentage of population that has attained a Bachelor's degree), share of population that is White and median household income, and their share of Republican voters at a county level. I think that this is an important research topic since the world's affairs are dictated by who is in the White House and it is important to get to root of the people that determine that. I think this adds to the existing research since it will be a stepping stone to understanding and analyzing the 2020 US elections which recently took place. Throughout the paper, I use scatterplots and maps to observe these relationships. For the income data, I use web-scraping from a WikiPedia page containing data on median household income. In the end, I will use regressions to reach specific numbers which we can use to describe the relationship. Research Question: Is there a correlation between education, race, income, and the share of Republican voters at a county or state level, and if so, what is the relation? I do think that there will be a positive relation between share of White population and share of Republican voters since Republican ideologies on issues relating to gun possession, abortion laws, taxation policies and much more align with the majority of the population, and most of the US counties are inhabited by white people (as we will see in a histogram). In addition, I think that there will be a negative relation between the percentage of county population that has attained a Bachelor's degree and the share of Republican voters. This is because, people that have attained a university degree tend to be more liberal in their thought, and liberalism is a Democratic symbol. When it comes to income, I believe that there will be a negative relationship between median household income in each state and that state's share of Rpeublican voters. The X variables we will be working with are "Share of White population", "Share of College-educated population" and "Median Household Income". The Y variable is the level of Republican voters. These are some of the previous research papers I have looked at while writing this paper: Gelman, A., Kenworthy, L., & Su, Y. (2010). Income Inequality and Partisan Voting in the United States*. Social Science Quarterly, 91(5), 1203-1219. doi:10.1111/j.1540-6237.2010.00728.x • Gonino, L. (fall 2017). Blacks' and Whites' Attitudes toward Race-Based Policies: Is there an Obama Effect? Michigan Sociological Review, 31, 173-188. Sides, J., Tesler, M., & Vavreck, L. (September 2016). The Electoral Landscape of 2016. The Annals of the American Academy of Political and Social Science, 667, elections in america, 50-71. **Project 1 Data Cleaning Process** The first step to analyzing the data is cleaning the data so that we have a workable DataFrame ready for analysis. On cleaning, the DataFrame we will be using for this part of the project is county char. In [3]: county_characteristics = pd.read_csv("/Users/janhavi/Desktop/eco225/project1/usa-2016-presidential-elec tion-by-county.csv", sep=';') county_char = county_characteristics[["State", "County", "Votes", "Republicans 2016", "Democrats 2016", "White (Not Latino) Population", "African American Population", "Native American Population", "Asian American Population", "Latino Population", "At Least Bachelors's Degree"]] county char["Other races"] = 100 - county char["White (Not Latino) Population"] county_char = county_char[["State", "County", "Votes", "Republicans 2016", "Democrats 2016", "White (Not Latino) Population", "Other races", "At Least Bachelors's Degre county char.rename(columns = {"White (Not Latino) Population": "White", "At Least Bachelors's Degree": "Bachelor's Degree", "Republicans 2016": "Republicans share", "Democrats 2016": "Democrats share"}, inplace=True) county_char = county_char.dropna() county_char.head() Out[3]: State Votes Republicans share Democrats share White Other races Bachelor's Degree 1 Nebraska Red Willow County, Nebraska 5061.0 83.224659 12.606204 94.15 5.85 21.6 54.844568 2 California Del Norte County, California 9361.0 37.228929 66.05 33.95 14.3 Florida Duval County, Florida 428734.0 48.995648 47.494950 58.00 42.00 24.9 3 Kansas Ellsworth County, Kansas 2626.0 73.610053 19.611577 88.90 11.10 19.8 5 Kentucky Cumberland County, Kentucky 3066.0 81.604697 14.970646 94.70 5.30 7.9 Plotting a Histogram for the share of White population In [4]: fig,ax = plt.subplots() county_char.plot(kind="hist", y="White", color=(244/255, 77/255, 24/255), bins=100, legend=False, density=False, ax=ax) ax.set xlabel("Percentage of Republican voters") ax.set_title("Histogram describing the distribution of county-wise Republican voting percentages") ax.spines['right'].set visible(False) ax.spines['top'].set visible(False) Histogram describing the distribution of county-wise Republican voting percentages 200 -150 100 50 0 20 100 40 60 80 0 Percentage of Republican voters We see a heavily left-skewed histogram which means that most counties do tend to have a very high percentage of White population. Plotting a Histogram for the share of population that holds a Bachelor's degree In [5]: fig,ax = plt.subplots() county_char.plot(kind="hist", y="Bachelor's Degree", color=(244/255, 77/255, 24/255), bins=100, legend=False, density=False, ax=ax) ax.set xlabel("Percentage of college-educated workers") ax.set title("Histogram describing the distribution of county-wise Bachelor degree holders") ax.spines['right'].set visible(False) ax.spines['top'].set visible(False) Histogram describing the distribution of county-wise Bachelor degree holders 150 125 Frequency 100 75 50 25 O 20 40 60 Percentage of college-educated workers Here, we see a right skewed graph. Most counties do not have a very percentage of college educated population. In this project we just observed the overall trends of the X variables across counties in the US. In the next project, I will visualize the relation between the X variables and Y - the share of Republican voters. **Project 2** In this project I want to see what kind of relationship there exists between the X variables (Share of White population, share of collegeeducated population) and the Y-variable (Share of Republican voters) through visualizations. The Message There should be a relationship between the share of White population, college educated population and the share of Republican voters in the respective counties. Visualizing the Data through Scatterplots A scatterplot showing the relation between White population and Share of Repulican Voters In [6]: fig,ax = plt.subplots() county char.plot(kind="scatter", x="White", y="Republicans share", ax=ax) $ax.set_ylim(0,100)$ ax.spines['top'].set_visible(False) ax.spines['right'].set_visible(False) ax.set xlabel("Share of White Population (%)") ax.set ylabel("Share of Republican Voters (%)") ax.set_title("Share of White population in a county compared with Share of Republican Voters in that Co plt.show() Share of White population in a county compared with Share of Republican Voters in that County Share of Republican Voters 80 60 40 20 0 20 60 80 100 Share of White Population (%) In this scatterplot, we see that our hypothesis about share of White population and share of Republican voters having a positive relation is true. I will now compare the share of College educated share of population and share of Republican voters. A scatterplot showing the relation between College-educated population and Share of Repulican Voters In [7]: fig,ax = plt.subplots(figsize=(4,4)) county_char.plot(kind="scatter", x="Bachelor's Degree", y="Republicans share", ax=ax, color='red') $ax.set_ylim(0,100)$ ax.spines['top'].set_visible(False) ax.spines['right'].set_visible(False) ax.set xlabel("Share of College-Educated Population (%)") ax.set ylabel("Share of Republican Voters (%)") ax.set_title("Share of College-Educated population in a county compared with Share of Republican Voters in that County") plt.show() Share of College-Educated population in a county compared with Share of Republican Voters in that County Republican Voters 80 60 40 of Share (Share of College-Educated Population (%) Again, as assumed in the hypothesis, there is a negative correlation between share of college-educated population and share of Republican voters. Using maps to visualize the data We look at the correlation between our variables at a state level to make the visualizations easier. The first step is to make a GeoDataFrame that consists of the geometries of each state. I read a shapefile and then merge the DataFrame with the respective columns from <code>county_char</code> . I take the mean of the percentage of people with Bachelor's degrees and the percentage of White population across the counties in each state. The GeoDataFrame is then cleaned and saved under the name maps_states_republicans. us states = gpd.read file('/Users/janhavi/Downloads/tl 2017 us state/tl 2017 us state.shp') In [8]: us_states_mainland = us_states.drop([31, 34, 35, 36, 41, 49, 40]) us states mainland.head() states_republicans = county_char.groupby("State")["Republicans share"].mean().reset_index() states_republicans = states_republicans.sort_values("Republicans share", ascending=True).reset_index(). drop(columns="index") states_republicans_educ = county_char.groupby("State")["Bachelor's Degree"].mean().reset_index() states republicans white = county char.groupby("State")["White"].mean().reset index() maps states republicans = us states mainland.merge(states republicans, left on='NAME', right on='State' , how='inner') maps states republicans = maps states republicans.rename(columns = {"Republicans share":"republicans 20 maps states republicans = maps states republicans.drop(["State", "REGION", "STATEFP", "GEOID", "STUSPS" , "LSAD", "MTFCC", "FUNCSTAT", "ALAND", "AWATER", "INTPTLAT", "INTPTLON", "DIVISION", "STATEN S"] , axis=1) maps states republicans = maps states republicans.merge(states republicans educ, left on="NAME", right on="State", how='inner') maps states republicans = maps states republicans.merge(states republicans white, left on="NAME", right on="State", how="inner") maps_states_republicans = maps_states_republicans.drop(["State_x", "State_y"], axis=1) maps states republicans = maps states republicans.rename(columns = {"Bachelor's Degree":"bachelors", "White": "white", "NAME": "State" }) maps states republicans.head() Out[8]: geometry republicans_2016 bachelors State white **0** West Virginia POLYGON ((-81.74725 39.09538, -81.74635 39.096... 73.095301 13.794545 95.169091 Florida MULTIPOLYGON (((-82.98748 24.62538, -82.98748 ... 62.025003 19.407463 70.825373 Illinois POLYGON ((-91.18529 40.63780, -91.17510 40.643... 63.425538 18.777451 88.791667 2 3 Minnesota POLYGON ((-96.78438 46.63050, -96.78434 46.630... 58.359900 20.748276 91.134483 51.185476 28.454167 71.277083 Maryland POLYGON ((-77.45881 39.22027, -77.45866 39.220... Visualizing Share of Republican Voters In [9]: fig, gax = plt.subplots(figsize=(7,7)) maps states republicans.plot(ax=gax, edgecolor='black', color='white') maps states republicans.plot(ax=gax, edgecolor='black', column='republicans_2016', legend=True, cmap='RdBu_r', gax.annotate('Percent of Republican voters', xy=(0.60, 0.06), xycoords='figure fraction') gax.set_xlabel('longitude') gax.set ylabel('latitude') gax.set title("US States and Share of Republican Voters") plt.axis('off') plt.show() 70 US States and Share of Republican Vol - 50 - 40 - 30 -20 10 Percent of Republican voters From the map, we see that states with a higher Republican share of voters are concentrated in the middle of the country, while states with lower Republican population are found along the coasts. We will now see if this holds with our hypothesis from above. Visualizing Share of White population In [10]: fig, gax = plt.subplots(figsize=(7,7)) maps_states_republicans.plot(ax=gax, edgecolor='black', color='white') maps states republicans.plot(ax=gax, edgecolor='black', column='white', legend=True, cmap='RdBu r', gax.annotate('Percent of White voters', xy=(0.65, 0.06), xycoords='figure fraction') gax.set_xlabel('longitude') gax.set_ylabel('latitude') gax.set_title("US States and Share of White Voters") plt.axis('off') plt.show() 90 US States and Share of White Voter - 70 - 60 50 40 Percent of White voters We see a higher concentration of White population in the north of the country while a lower concentration of White population in the south. A potential reason for this is that the US borders Mexico in the south and thus could have a higher immigrant population. Our predetermined hypothesis holds for most states. Visualizing Share of College-Educated population across the states fig, gax = plt.subplots(figsize=(7,7)) In [11]: maps_states_republicans.plot(ax=gax, edgecolor='black', color='white') maps states republicans.plot(ax=gax, edgecolor='black', column='bachelors', legend=True, cmap='RdBu_r', gax.annotate('Percent of college-educated voters', xy=(0.65, 0.06), xycoords='figure fraction') gax.set_xlabel('longitude') gax.set_ylabel('latitude') gax.set_title("US States and Share of College-Educated Voters") plt.axis('off') plt.show() US States and Share of College-Educated - 25 -20 Percent of college-educated vo If we compare this map with the map showing the share of Republican voters, we see that the maps look like exact reverses of each other. This affirms our hypothesis. Conclusion The research question of this project was to see whether there was a relationship between education, race and share of Republican voters. Our hypothesis assumed that there is a negative relationship between share of population that has attained a Bachelor's degree and share of Republican voters, and positive relationship between share of White population and share of Republican voters. We used scatterplots to share this relation at a county level, and maps to show this relation at the state level. Our hypothesis was proven right but we do see a stronger relationship between education levels and share of Republican voters. **Project 3** In this project, I introduce a third X variable - median household income in each state. This is an important addition since it plays a big role in the socioeconomic characteristics of a country which eventually determine the election results. I this particular addition also matters since Democrats and Republicans have different ideas when it comes to taxation based on income. The level of income, and how it is spread across the country will determine the election results. Method: I have scraped data from this website: https://en.wikipedia.org/wiki/List of U.S. states and territories by income I have scraped the DataFrame and selected the columns 'State' and Median Household income in the year 2016 since I am analyzing the 2016 elections. I saved the scraped data under a DataFrame states_income. I then cleaned the data and merged it with my original DataFrame maps states republicans. I saved the merged DataFrame under states map income. I then analyze the DataFrame using an interactive map and a scatterplot. The program can be run annually since it will upload household median income annually. However, for this particular project, only the data pertaining to year 2016 is relevant. We can legally scrape the data since it is available on an open source platform (Wikipedia), and is publically available. Web Scraping and Data Cleaning Process In this code, I scrape the data and store it in a new DataFrame called states income. I then merge this with the original DataFrame maps states republicans . The new DataFrame is called income map states and view the first 5 rows. In [12]: import requests import pandas as pd from bs4 import BeautifulSoup url = 'https://en.wikipedia.org/wiki/List of U.S. states and territories by income' response = requests.get(url) soup = BeautifulSoup(response.content) data table = soup.find('table','wikitable sortable') all_values = data_table.find_all('tr') income = pd.DataFrame(columns = ["State", "Income"]) ix=0for row in all values[1:]: values = row.find all('td') State = values[1].text.strip('\n') Income = values[4].text.strip('\n') income.loc[ix] = [State, Income] ix += 1states income = income.drop([0, 8, 20, 47, 53, 54, 55, 56]).reset index() states income = states income.drop("index", axis=1) states income["State"] = states income["State"].astype('string') states_income["State"] = states_income["State"].str.strip() income map states = pd.merge(maps states republicans, states income, left on='State', right on="State", how='inner') income_map_states["Income"] = income_map_states["Income"].str.replace("\$","") income map states["Income"] = income map states["Income"].str.replace(",","") income map states["Income"] = pd.to numeric(income map states["Income"]) income map states.head() Out[12]: State geometry republicans_2016 bachelors white Income POLYGON ((-81.74725 39.09538, -81.74635 39.096... 0 West Virginia 73.095301 13.794545 95.169091 43385 Florida MULTIPOLYGON (((-82.98748 24.62538, -82.98748 ... 62.025003 19.407463 70.825373 50860 1 POLYGON ((-91.18529 40.63780, -91.17510 40.643... 63.425538 18.777451 88.791667 2 Illinois 60960 Minnesota POLYGON ((-96.78438 46.63050, -96.78434 46.630... 3 58.359900 20.748276 91.134483 65599 Maryland POLYGON ((-77.45881 39.22027, -77.45866 39.220... 51.185476 28.454167 71.277083 78945 Visualizing Income Data Plotting a map As I did for education and race, I will plot a map which shows the median household income among the states. fig, gax = plt.subplots(figsize=(7,7))In [13]: income_map_states.plot(ax=gax, edgecolor='black', color='white') income map states.plot(ax=gax, edgecolor='black', column='Income', legend=True, cmap='RdBu', gax.set xlabel('longitude') gax.set_ylabel('latitude') gax.set_title("US States and their Median Household Income (\$)") plt.axis('on') gax.annotate('Median Household Income', xy=(0.6, 0.06), xycoords='figure fraction') plt.show() 75000 US States and their Median Household Inc 50 45 65000 40 60000 35 30 55000 25 -120 -110 -100 -90 -80-7050000 longitude 45000 Median Household Income The states with higher income correspond to blue colored states in the map while the states with lower income correspond to states which are red in the map. On comparing this map with the map showing the share of Republican voters across the states, we see that states with a higher income correspond to states with a lower share of Republican voters and vice versa. Therefore we hypothesize that there will be a negative relation between median income and share of Republican voters. Why do states along the coast have higher median household incomes? This is due to the types of occupations that prevail in these states. Rich states like Massachusetts have mostly private sector based industries which contributes to the higher household income. On the other hand, states like Mississipi rely on agriculture and federal jobs for employment leading to lower household incomes. Source: https://www.investopedia.com/median-income-by-state-5070640 Plotting a Scatterplot In order to plot a scatterplot, I will need to convert the GeoDataFrame income map states into a Pandas DataFrame. I then plot the scatterplot and interpret the results. In [14]: income_map_states_pd = pd.DataFrame(income_map_states) fig,ax = plt.subplots(figsize=(5,5)) income map states pd.plot(kind="scatter", x="Income", y="republicans 2016", ax=ax) ax.set ylim(0,100)ax.spines['top'].set_visible(False) ax.spines['right'].set visible(False) ax.set xlabel("Median Household Income (\$)") ax.set ylabel("Share of Republican Voters") ax.set title("Share of White population in a county compared Median Household Income across the States" plt.show() Share of White population in a county compared Median Household Income across the States Share of Republican Voters 80 40 20 50000 60000 70000 Median Household Income (\$) We see a negative correlation that is not very strong. Thus states with a higher median household income tend to have a lower share of Republican voters. **Project 3 Conclusion** The objective of this project was to find out whether there exists a relationship between Median household income of a state and its share of Republican voters. On plotting a map and scatterplot, we see that there exists a negative relationship between the two. The negative correlation is suprising since the Democrats have always perceived themselves as a more socialist party while the Republicans portray themselves as more capitalistic. According to a study 'Rich State, Poor State, Red State, Blue State: What's the Matter with Connecticut?' in the Quarterly Journal of Political Science, 2007, 2: 345-36, income plays a large role in the voting preferences of Red states but little-to-no role in Blue states. In Red states, rich people vote Republican due to their lenient taxation policies. Another potential reason for the negative relation is that democrats tend to emphasize taxation policies that include taxing income more heavily. This may not impact a rich family as much as it will impact a low-income family. Thus there is a negative relationship. **Final Project** In my project, I have used 3 X variables - median household income, share of White population and share of college-educated population. The objective of using these X variables was to find whether there is a relationship between these variables and the Y variable which is "Share of Republican voters". At a state level, I believe that the relationship between these X variables and the Y variable is linear. For income data, I reach this conclusion by looking at the scatterplot which shows a negative linear relationship between the two variables. The linear relationship between income and voting patterns could be attributed to the difference in taxation policies followed by the Democrats and Republicans. Democats believe in more income tax which is something that richer households can afford. Lower income households may be unwilling to support this policy. This assumption holds in line with the hypothesis and established relation that there is a negative correlation between median household income and share of Republican voters in the states. For the race data, there is a clear positive linear relationship between share of white population and share of Republican voters. This could be because of the conservative socioeconomic policies followed by the Republicans that usually please White people more than POCs. This could be in the form of policing policies, abortion policies, gun policies and the blind eye turned to white supremacism. For the data on education, there is a negative linear relationship between share of college-educated population and share of Republican voters. This could be because higher education leads to liberalism in thought. Democrats are liberal in their policies and thus highereducated people are more likely to vote Democrat. This establishes the negative relationship. In this project, I will run 4 regressions to get numeric values for the level of dependency. Choosing X's As mentioned above, the three X's I have chosen are income, race and education level. I will first plot scatterplots along with their regression lines before running the regressions. The first X: Share of White population We will plot a regression line on a scatterplot that shows share of White population and share of Republican voters. We can write our model as: $republicans 2016_i = \beta_0 + \beta_1 white_i + u_i$ Where: - β_0 is the intercept of the regression line on the axis representing share of Republican voters • β_1 is the slope of the regression line which shows the relation between share of White population and Republican voters u_i is a random error term from sklearn.linear_model import LinearRegression In [15]: X = income_map_states_pd["white"].values.reshape(-1,1) Y = income map states pd["republicans 2016"].values.reshape(-1,1) labels = income_map_states_pd["State"] fig,ax = plt.subplots(figsize=(6,6)) income map states pd.plot(kind="scatter", x="white", y="republicans 2016", ax=ax) lr=LinearRegression() lr.fit(X,Y)x = np.linspace(0.0, 100.0).reshape(-1,1)y_pred = lr.predict(x) ax.plot(x, y_pred, color='blue') ax.set title("Regression line showing the relationship between share of White population and Republican Voters") plt.show() Regression line showing the relationship between share of White population and Republican Voters 70 republicans_2016 20 100 0 40 60 80 white The second X: Share of college-educated population We will plot a regression line on a scatterplot that shows share of White population and share of Republican voters. We can write our model as: $republicans 2016_i = \beta_0 + \beta_1 bachelors_i + u_i$ Where: • β_0 is the intercept of the regression line on the axis representing share of Republican voters • β_1 is the slope of the regression line which shows the relation between share of college-educated population and Republican voters u_i is a random error term

	<pre>X = income_map_states_pd["bachelors"].values.reshape(-1,1) Y = income_map_states_pd["republicans_2016"].values.reshape(-1,1) labels = income_map_states_pd["State"] fig,ax = plt.subplots(figsize=(6,6)) income_map_states_pd.plot(kind="scatter", x="bachelors", y="republicans_2016", ax=ax) lr=LinearRegression() lr.fit(X,Y) x = np.linspace(0.0, 100.0).reshape(-1,1) y_pred = lr.predict(x)</pre>
	ax.plot(x, y_pred, color='blue') ax.set_ylim(0,100) ax.set_title("Regression line showing the relationship between share of college-educated population and Republican Voters") plt.show() Regression line showing the relationship between share of college-educated population and Republican Voters
	The third X: Median Household Income
	The third X: Median Household Income We will plot a regression line on a scatterplot that shows share of White population and share of Republican voters. We can write our model as: $republicans2016_i = \beta_0 + \beta_1 Income_i + u_i$ Where: • β_0 is the intercept of the regression line on the axis representing share of Republican voters • β_1 is the slope of the regression line which shows the relation between Median Household income and share of Republican voters • u_i is a random error term
n [17]:	<pre>from sklearn.linear_model import LinearRegression X = income_map_states_pd["Income"].values.reshape(-1,1) Y = income_map_states_pd["republicans_2016"].values.reshape(-1,1) fig,ax = plt.subplots(figsize=(6,6)) income_map_states_pd.plot(kind="scatter", x="Income", y="republicans_2016", ax=ax) lr=LinearRegression() lr.fit(X,Y)</pre>
	<pre>x = np.linspace(0.0, 100.0).reshape(-1,1) y_pred = lr.predict(x) ax.plot(x, y_pred, color='blue') ax.set_title("Regression line showing the relationship between Median household income and Republican oters") ax.set_xlabel("Median Household Income (\$)") plt.show() Regression line showing the relationship between Median household income and Republican Voters 100 90</pre>
	80 - 80 - 70 - 70 - 60 - 60 - 70 - 70 - 70 - 7
	Running the regressions In the following code, I run all the regressions and then will one by one look at the summary statistics of each regression. The null hypothesis: • positive relation between share of white population and share of Republican voters • negative relation between share of share of college-educated population and share of Republican voters • negative relation between median household income and share of Republican voters
n [18]:	To analyze whether each regression is significant, I will look at the following parameters: • Adjusted R ² • AIC and BIC values • p value • f statistic df = income_map_states_pd df['const']=1 X1 = ['const', 'white'] X2 = ['const', 'white', 'Income']
	<pre>X3 = ['const', 'white', 'bachelors'] X4 = ['const', 'white', 'bachelors', 'Income'] reg1 = sm.OLS(df['republicans_2016'], df[X1], missing='drop').fit() reg2 = sm.OLS(df['republicans_2016'], df[X2], missing='drop').fit() reg3 = sm.OLS(df['republicans_2016'], df[X3], missing='drop').fit() reg4 = sm.OLS(df['republicans_2016'], df[X4], missing='drop').fit()</pre> Regression 1: share of White population The reason for running this regression is that race plays a crucial role in determining election results. This can explain Y as it determines to various socioeconomic factors that leads to the election of a Republican president.
n [19]: Out[19]:	
	Time: 00:05:21 Log-Likelihood: -181.34 No. Observations: 48 AIC: 366.7 Df Residuals: 46 BIC: 370.4 Df Model: 1 1 Covariance Type: nonrobust 5 const 43.3760 9.640 4.500 0.000 23.972 62.780 white 0.2012 0.119 1.685 0.099 -0.039 0.442
	Omnibus: 3.543 Durbin-Watson: 1.437 Prob(Omnibus): 0.170 Jarque-Bera (JB): 3.086 Skew: -0.620 Prob(JB): 0.214 Kurtosis: 2.933 Cond. No. 499. Warnings: [1] Standard Errors assume that the covariance matrix of the errors is correctly specified.
	The regression can be described by the equation: $ republicans 2016_i = 43.38 + 0.2 white_i $ where:
	 AIC and BIC: These are 366.7 and 370.4 respectively. Since they are high, they signify a significant relationship. p-statistic: We see a p value of 0.0987 which is greater than 0.05. Thus the relationship is not perfectly significant. F statistic is below 10 so it is insignificant. The conflicting significant and insignificant indicators could be due to omitted variable bias. Thus we focus on a multivariate model. Regression 2: Share of White Population and Income In the previous regression we found that it turned out to be insignificant due to omitted variable bias. We thus introduce a new variable of Income. The importance of adding this statistic is to highlight the income differences based on The model can be described as: republicans2016_i = β₀ + β₁white_i + β₂Income_i + u_i
n [20]: ut[20]:	
	No. Observations: 48 AIC: 348.5 Df Residuals: 45 BIC: 354.2 Df Model: 2 Covariance Type: nonrobust const 79.5705 10.876 7.316 0.000 57.665 101.476 white 0.2435 0.098 2.478 0.017 0.046 0.441 Income -0.0007 0.000 -4.843 0.000 -0.001 -0.000
	Omnibus: 5.093 Durbin-Watson: 1.875 Prob(Omnibus): 0.078 Jarque-Bera (JB): 3.923 Skew: -0.578 Prob(JB): 0.141 Kurtosis: 3.790 Cond. No. 4.91e+05 Warnings: [1] Standard Errors assume that the covariance matrix of the errors is correctly specified. [2] The condition number is large, 4.91e+05. This might indicate that there are
	strong multicollinearity or other numerical problems. Wee see that this ia a better summary. • Adjusted R ² is 35% which shows significance • AIC and BIC values are also high which signifies a higher significance • The p-statistic is also low which means the relation is significant • The f-statistic is 13.84 which is above 10 so it is good. The model can be described as:
n [21]:	
ut[21]:	OLS Regression Results Dep. Variable: republicans_2016 R-squared: 0.688 Model: OLS Adj. R-squared: 0.674 Method: Least Squares F-statistic: 49.68 Date: Sat, 19 Dec 2020 Prob (F-statistic): 4.07e-12 Time: 00:05:22 Log-Likelihood: -154.81 No. Observations: 48 AIC: 315.6 Df Residuals: 45 BIC: 321.2 Df Model: 2
	Skew: 0.456 Prob(JB): 0.435 Kurtosis: 3.034 Cond. No. 583. Warnings: [1] Standard Errors assume that the covariance matrix of the errors is correctly specified. We will now analyze the important parameters: • The adjusted R ² is 67.4% which is a high number indicating that the line fits the data well.
	 The AIC and BIC values are high signifying significance The p-value is low which means that the relation is significant The f-statistic is 49.68 which is above 0 thus signifying significance. The model can be described as: republicans 2016 _i = 71.6976 + 0.25 white _i - 1.52 bachelors _i We see a strong negative relation between education and share of Republican voters. Regression 4: All the X variables - income, education and race
n [22]: ut[22]:	OLS Regression Results Dep. Variable: republicans_2016 R-squared: 0.701
	Model: OLS Adj. R-squared: 0.681 Method: Least Squares F-statistic: 34.38 Date: Sat, 19 Dec 2020 Prob (F-statistic): 1.33e-11 Time: 00:05:22 Log-Likelihood: -153.81 No. Observations: 48 AIC: 315.6 Df Residuals: 44 BIC: 323.1 Df Model: 3 Covariance Type: nonrobust
	const 65.0947 7.930 8.209 0.000 49.113 81.076 white 0.2478 0.069 3.587 0.001 0.109 0.387 bachelors -1.8158 0.265 -6.862 0.000 -2.349 -1.283 Income 0.0002 0.000 1.365 0.179 -0.000 0.001 Omnibus: 3.251 Durbin-Watson: 1.858 Prob(Omnibus): 0.197 Jarque-Bera (JB): 2.859
	Warnings: [1] Standard Errors assume that the covariance matrix of the errors is correctly specified. [2] The condition number is large, 5.1e+05. This might indicate that there are strong multicollinearity or other numerical problems. I will now analyze the summary statistics: • Adjusted R ² is 68.1% which means that the regression fits the data well.
	 The p statistic is low which means the relation is significant The AIC and BIC values are high which mean that the relationship is significant. The model may be described as: republicans2016_i = 65.094 + 0.24white_i - 1.82bachelors_i + 0.0002Income_i Here we see a positive relationship between white population and share of republican voters, a strong negative relationship between college-educated population and share of republican voters, and a very faint positive relationship between median household income and share of republican voters. The only null hypothesis we reject is that there is a negative relationship between income and share of Republican voters.
	voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the
In []: In []:	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that oould affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that oould affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d
	Where: • 65.094 is the y-intercept • 0.24 is the rate of change of share of republican voters and share of white population • 1.82 is the rate of change of share of republican voters and share of college-educated population • 0.0002 is the rate of change of share of republican voters and median household income We see the strongest relation between share of republican voters and education. We see the weakest relation between share of republican voters and education. We see the weakest relation between share of republican voters and median household income. The reason for the strong relation between share of republican voters and education could be that higher education tends to open people to liberal ideas as people are exposed to new ideas of what the world could be like. Democrat policies tend to be liberal as well and therefore more educated people tend to support the Democrat policies. If we compare this with a map, we see that most states along the coasts are more democrat leaning. Along the coasts are also states with institutions such as the lvy League schools. The coasts also have more private sector occupations and employment in healthcare thus contributing to higher incomes. There is also a noticeable relationship between states with a higher White population and share of Republican voters. This could be because Republicans tend to be a bit more conservative, and a large majority of the White population in Central America tends to be conservative. In addition, Republicans are less lenient towards immigration policies which is favored by White people who are afraid of foreginers stealing jobs. In conclusion, in this paper I have analyzed various socioeconomic factors that play a role in determining the President of the United States. While these factors do play a large role, there are various other external factors that could affect election outcomes such as the COVID-19 pandemic of 2020, or the Great Recession of 2008. In these cases, a president's ability to handle these issues plays a role in d