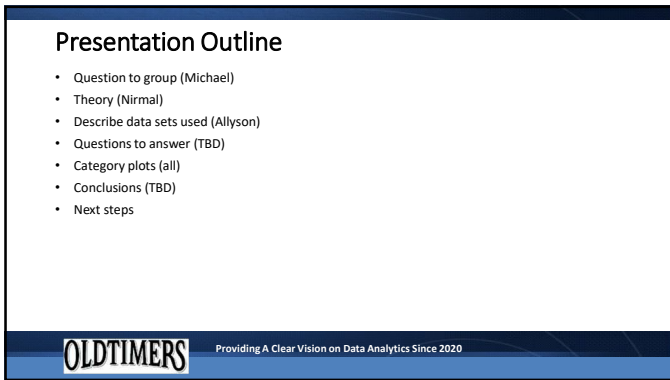
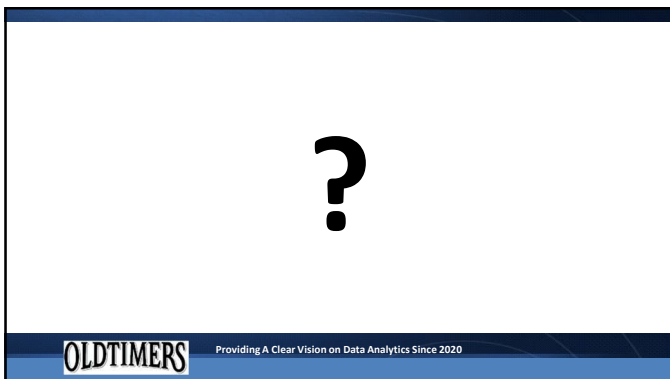


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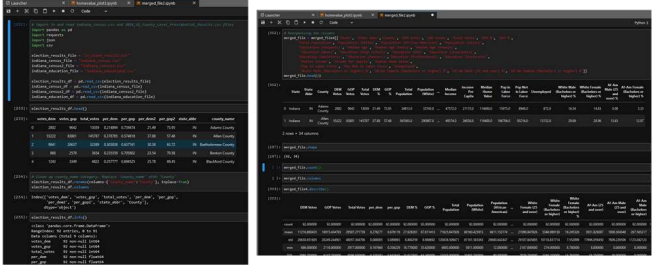
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Data Acquisition and Cleanup



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Questions to answer

- Does median age/unemployment predict the DEM/GOP % vote in a county
- Does median home value/education predict the DEM/GOP % in a county
- Does race/median income predict the DEM/GOP % in a county

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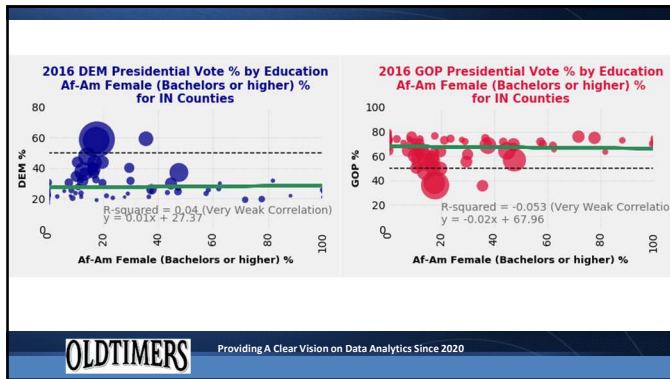
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Category plots

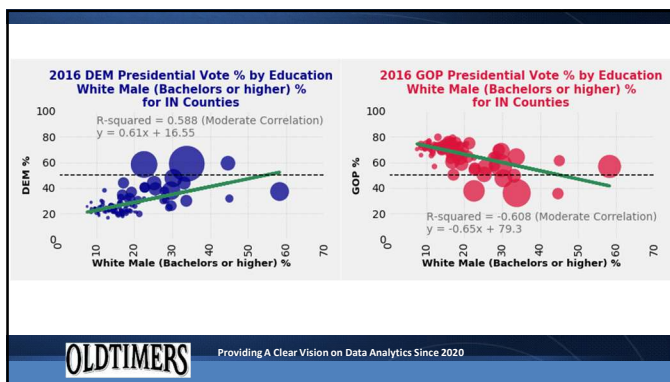
- Education & Home Value (Michael)
- Income & Race (Nirmal)
- Age & Employment (Allyson)

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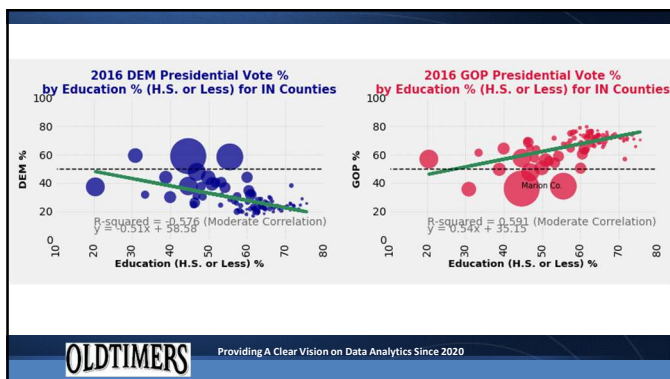
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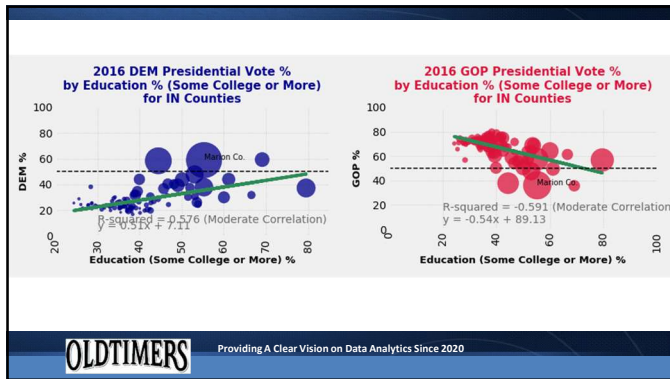
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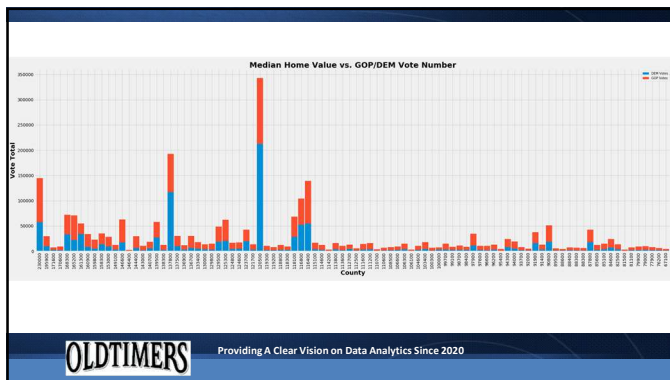
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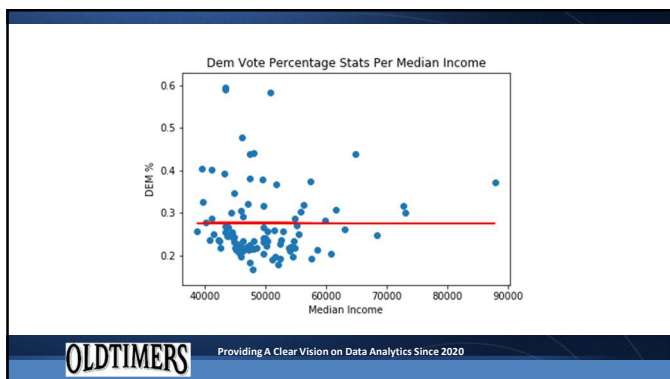
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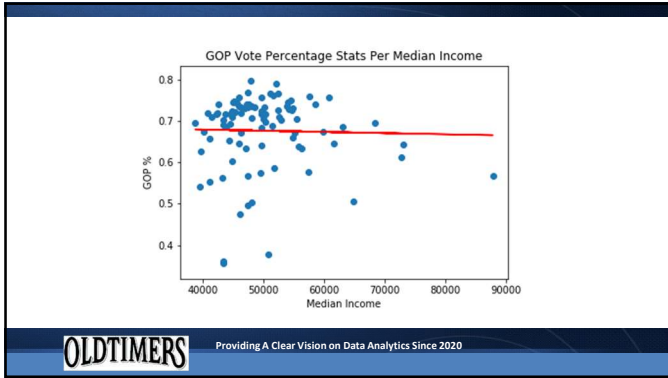
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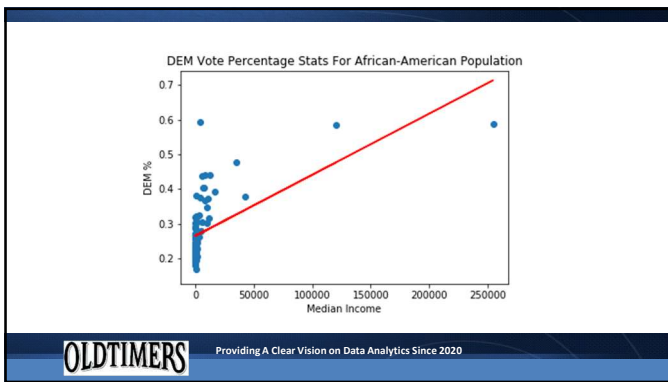
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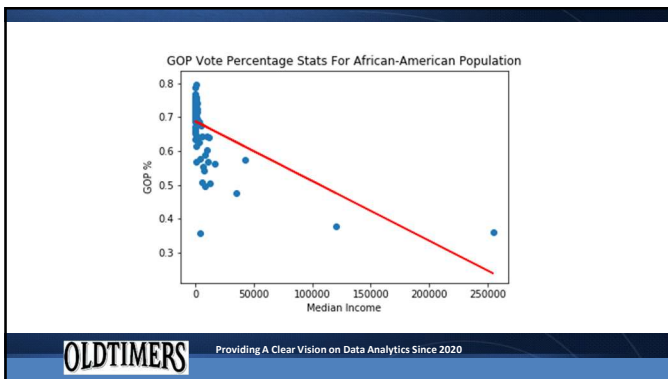
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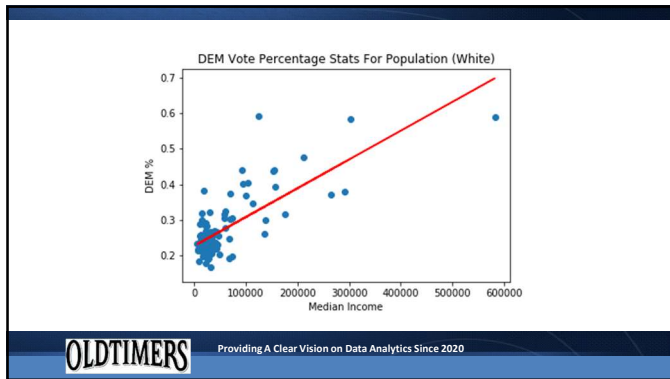
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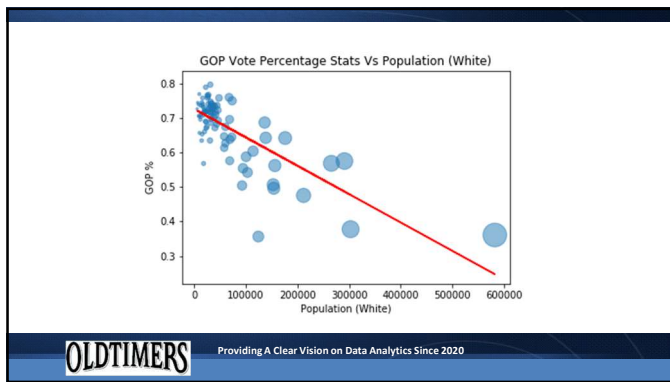
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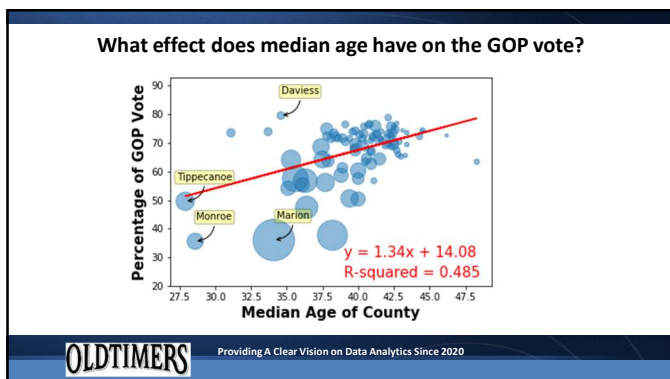
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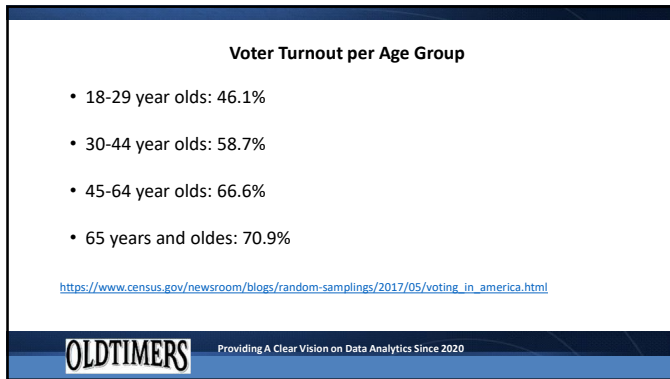
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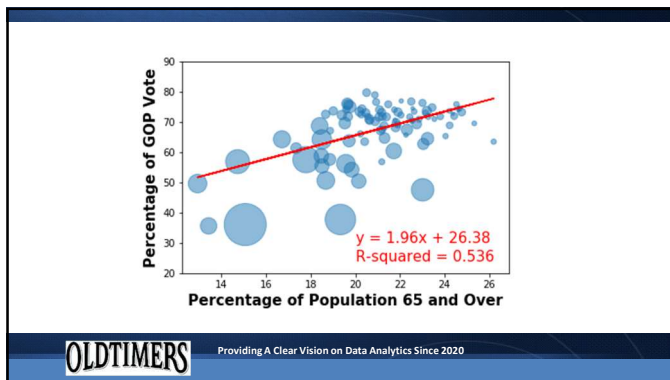
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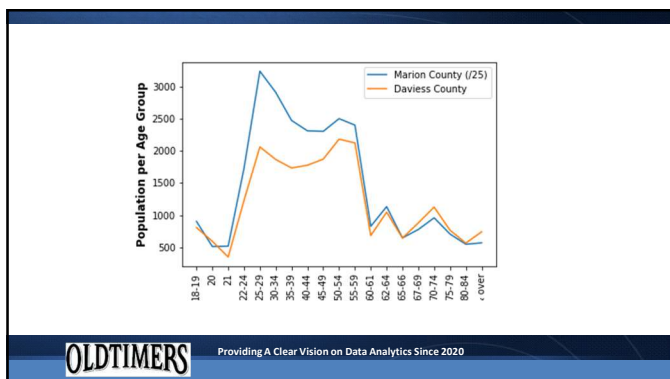
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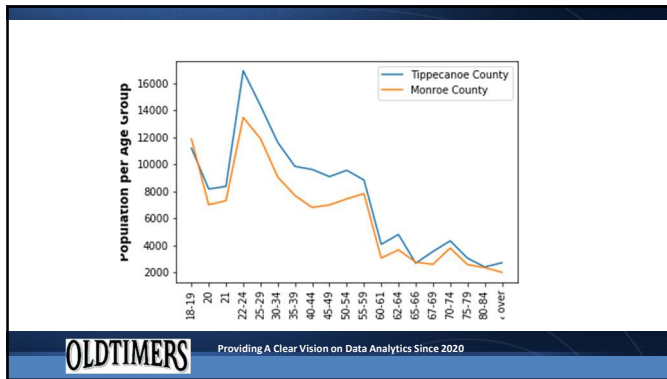
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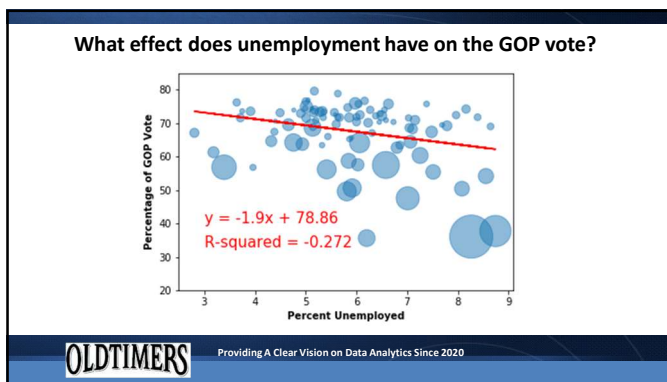
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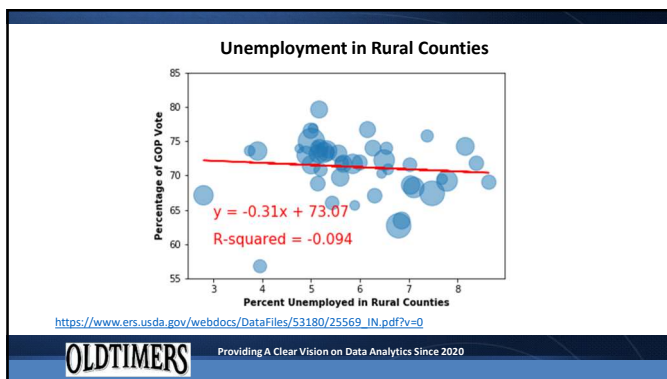
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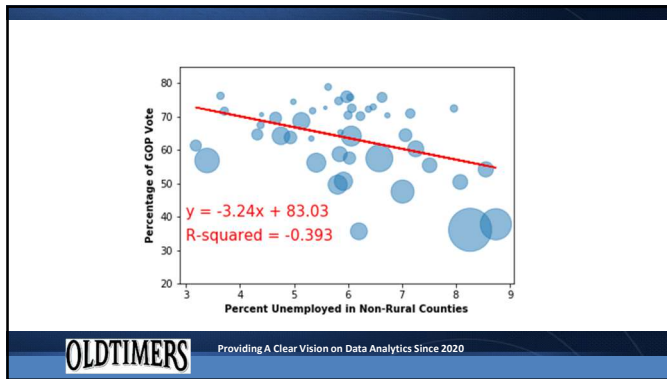
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Conclusions

- 1) Any single demographic category is NOT a good predictor of which 2016 presidential candidate won any Indiana county.
 - 1) None of the plots we ran provided us with a moderate or strong correlation
- 2) When multiple variables are introduced, we saw improved correlation between the census variable and the election results
 - 1) Pearson's correlation testing provided us with moderate to strong correlation on several of the plots we ran
 - 1) Education with race vs. DEM/GOP vote
 - 2) Race (white) vs. GOP vote
 - 3) Age (65+) vs GOP vote

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G. Next steps

- With more time, we would develop a prediction model comparing actual vs. expected results and run ttests (Michael)
 - We would add:
 - More exit polling data
 - Election results from additional years and races
- We would incorporate and test more Census variables
- We would combine Census variables

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