**Creating a Story Map**

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**1. The objective of the project**

My main goal for this project was to present the viewers with a detailed information about US 2020 elections and compare them to the previous one. I decided to use this topic because I think in the future, we can use this type of data visualization in Armenia, to show our public the differences of election outcomes. Actually, in the beginning I tried to do exactly that, however, I could not find any legitimate data on our elections that I could use to create layers in QGIS.

**2. Data Acquisition and Methodology**

**2.1** This project requited quite a lot of data. Firstly, I had to find a source that had data about 2016 elections, and then I had to create a similar dataset for the 2020 elections myself. The reason behind it was that the election happened not long ago, and there are no layers or any CSV files with the latest information. The most challenging part for me was creating those CSV files, because it took a lot of time.

**2.2** The first thing that I did was in QGIS, I used my CSV files and a base layer of US states and used join feature to give the attribute table of the CSV file to the state layer. Then, in ArcGIS I used many different styles to represent the data. Also, I used the analysis tool hot spots and came to the conclusion that most of the multiracial states are democratic, after that I used an expression to get rid of the states that were won by republicans, and represented it on the last map, to make it more visible for people. The most interesting thing for me was using the expressions to add data to the attribute tables. I used my basic programing knowledge to create simple, yet useful expressions. For example, I used the condition if and a function that return the absolute value of a number.

**3. Data Visualization with ArcGIS Online Story Map**

<https://storymaps.arcgis.com/stories/f7a6cbb9c4ba4b57a278ef9a47f80044>

Here are some of the files that I have created myself using data from the internet.



