CS360 Beta Release

Diabetes: A Problematic Trend

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Introduction

Background and Motivation:

- Both parents are pre-diabetic
- I have a couple friends that are also Type 1 Diabetic
- Dexcom - CGM

Project Objectives:

- Show the age distribution of the proportion of diabetics
- Indicate the progression of the proportion of diabetics throughout time
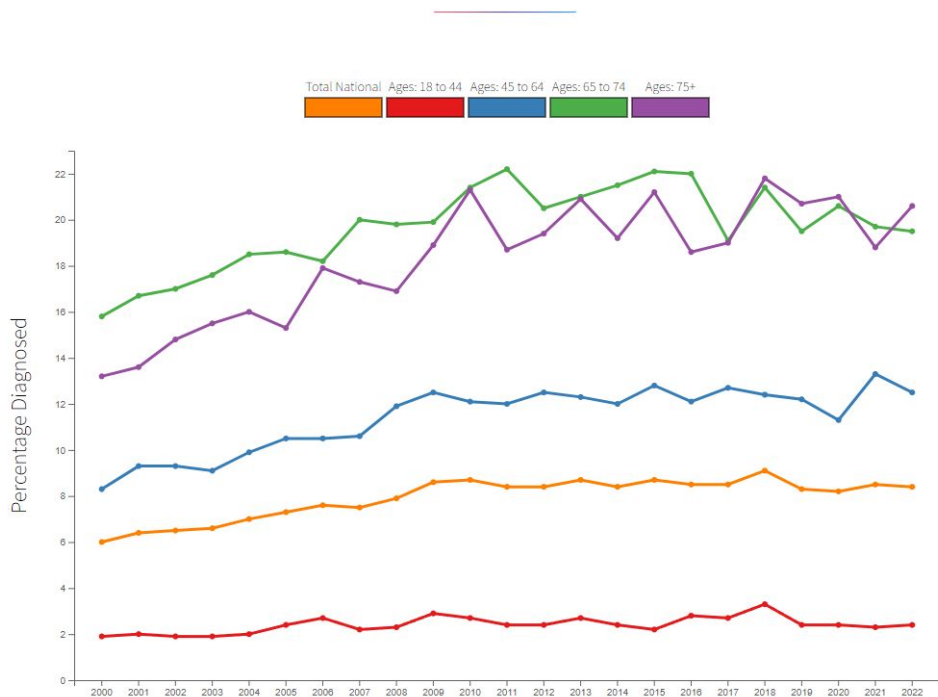- Display the proportion of diabetics in each state
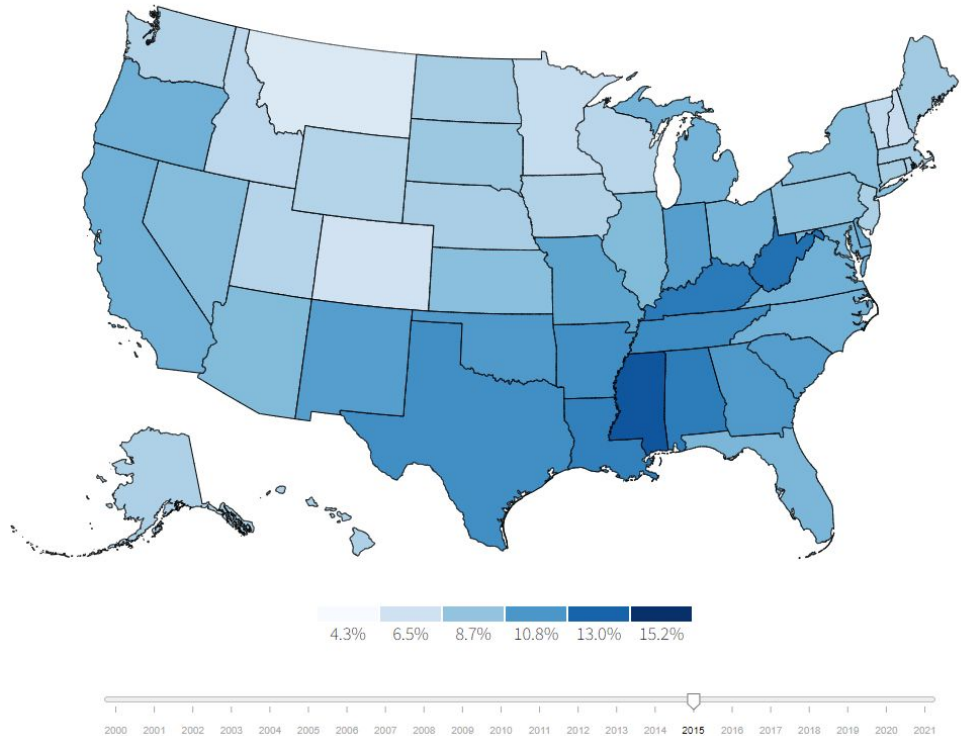
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Site: https://ericlyao.github.io/CS360-Final-Project

Multi-Line Chart

Diabetes Prevalence Trends by Age Group

Geomap

Proportion of Diabetics in the US

4.3% 6.5% 8.7% 10.8% 13.0% 15.2%

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 **2015** 2016 2017 2018 2019 2020 2021

Cleveland Dot Plot

States with the Highest Proportion of Diabetics

Year: 2015

Total   Male   Female

Percentage Diagnosed
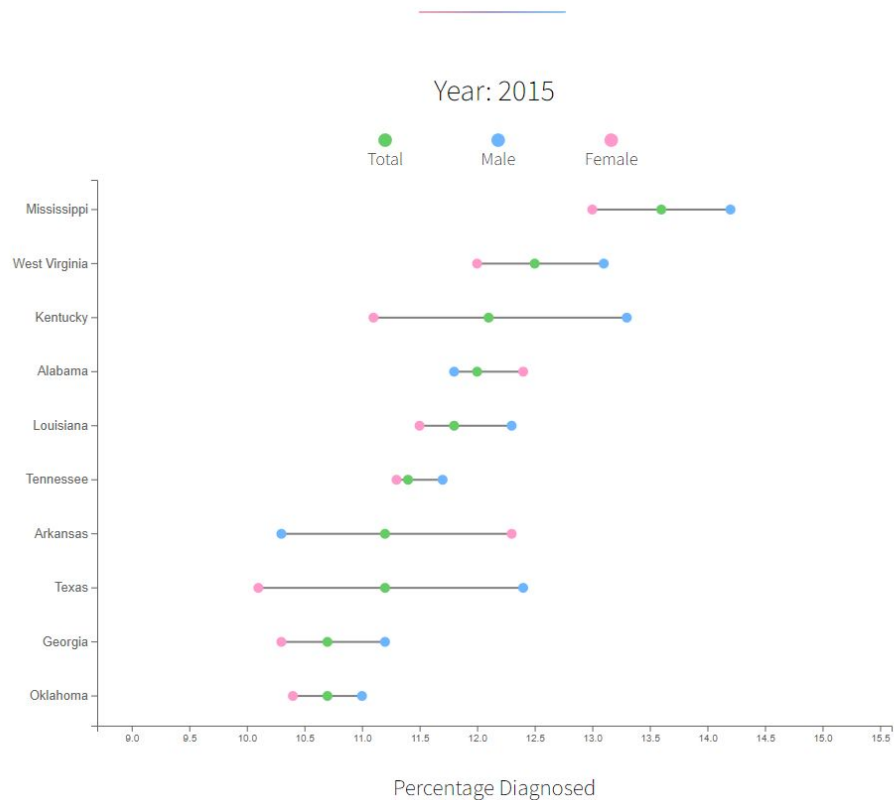
Confidence Band Line Chart

Proportion of Diabetics in an Individual State

California
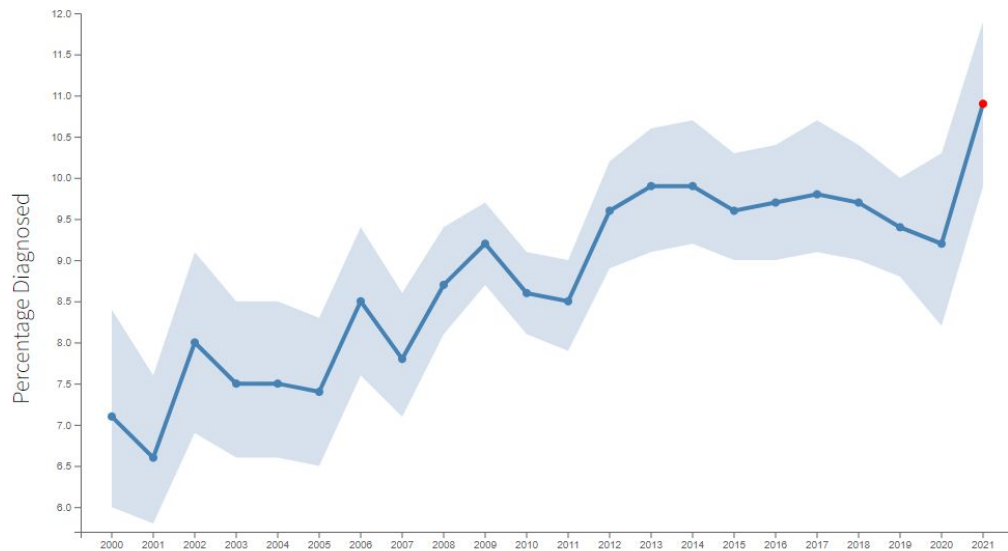
Use the Geomap here to change states.

Next steps

Reconsider aesthetic touches for all visualizations:

- Text size/font
- Colors
- Sizing
- Proportions/Placement

Figure out better routing:

- Smooth scroll from cleveland dot plot and individual line chart to geomap
- Consider adding a linked view slider to the cleveland dot plot (linked with geomap)