

Data Case

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Dataset and motivation

Our team was interested to see what events had effects on the stock market, airline travel, and the US national debt. For our event datasets we found a terrorism dataset and a natural disasters dataset. We wanted to see how events like 9/11 and hurricane Katrina affected the three categories listed above.

Flights: 217 (bts.gov, Bureau of Transportation Statistics)

National debt: 4,518 (fiscaldata.treasury.gov)

Stock market : 4,528 (investing.com, SPDR S&P 500 (SPY))

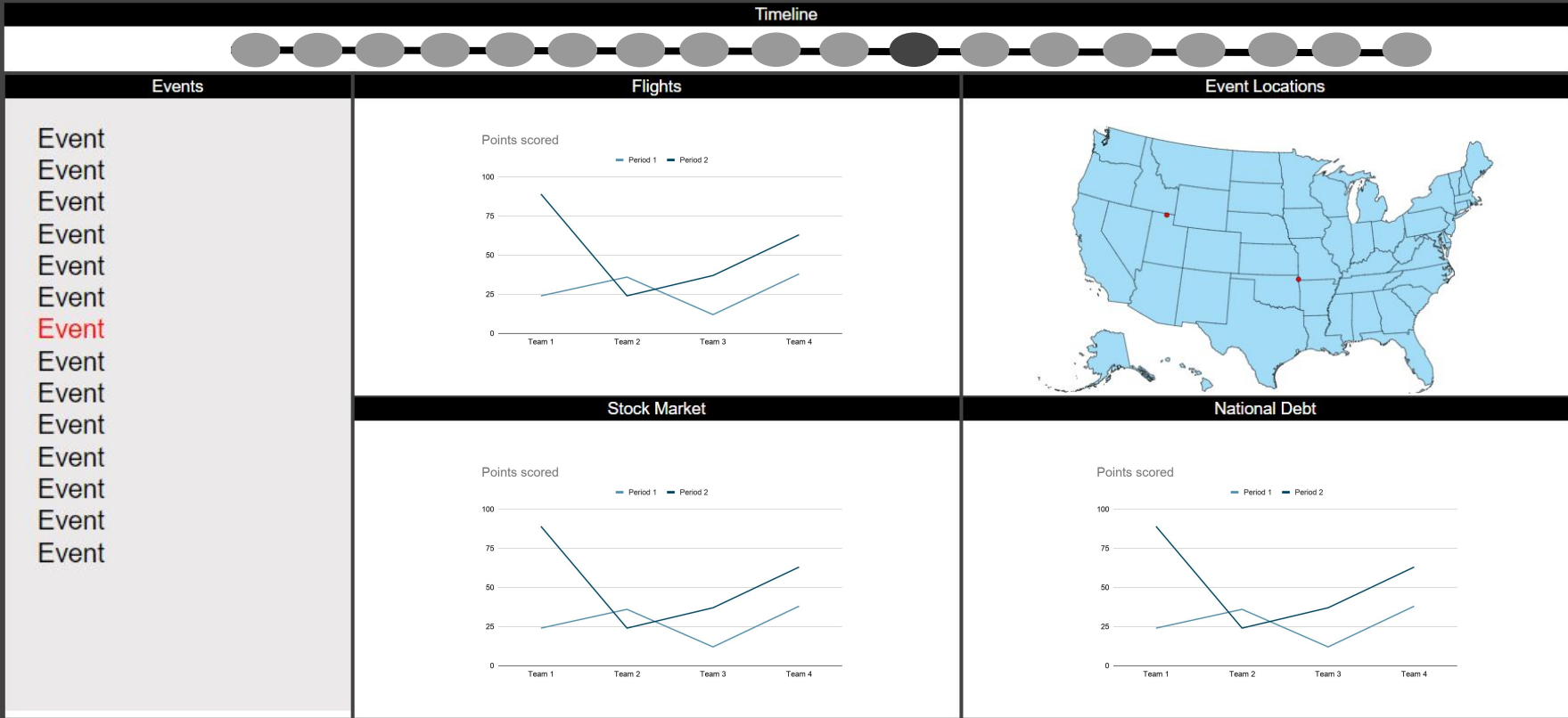
Disasters: 28,494 (fema.gov, Federal Emergency Management Agency)

Terrorism: 476 (dataverse.harvard.edu, National Consortium for the Study of Terrorism and Responses to Terrorism (START))

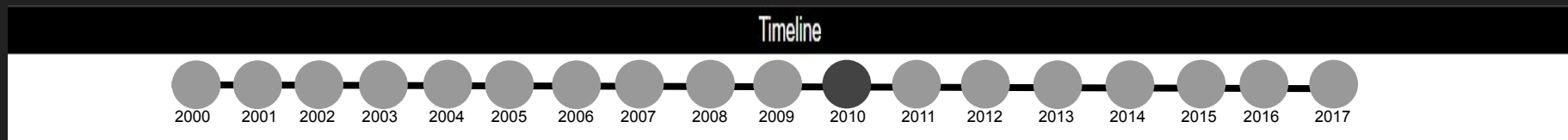
Philosophy

Users will be able to select one or many years and a list of events will populate for the given timeframe. They can then see what the consequences of the event on flights, national debt, and stock markets were. We want a user to be able to draw their own conclusions as to the long and short term effects.

DATA CASE: Final Project



Timeline



The timeline will allow the user to select a year, or range of years that will be displayed on the rest of the vis (2010 is selected for this example). The timeline will range from 2000-2017.

Events info panel

Events
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The events info panel will show what specific events (terrorism and natural disasters) happened within the selected year. When an event is selected, it will show a dot on each of the line graphs of the exact time that event occurred so that the user can draw a conclusion if that event had any impact on the stock market, flights, or national debt.

Event location map



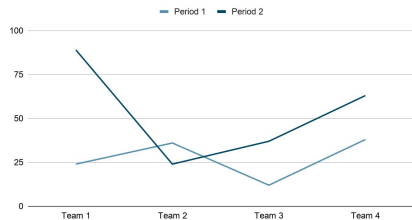
This panel is a map showing the locations of all the events in the selected year. The selected event in the info panel will show a different color than the rest of the events.

Line graphs

These 3 panels will show their respective data using a line chart. When an event is selected in the info panel, a dot will appear on the line that shows the date of that specific event.

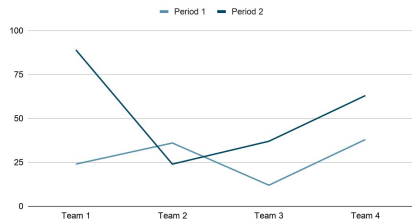
Flights

Points scored



Stock Market

Points scored



National Debt

Points scored

