

Rami Alshareef - CS416 Narrative Visualization

Narrative Visualization

This is a narrative visualization for the top 6 paying programming languages in the US market.

Background

In a rapidly changing world, it became necessary to keep updated with what's trending in the Software engineering market. From that perspective, I wanted to highlight the top programming languages salary-wise to give a sense of urgency for my fellow Software engineers and to give another data point in their process of making informative decision in their career planning.

Messaging

What are the top 6 paying programming languages in the past 7 years with a highlight on some facts around these languages

Narrative Structure

This visualization follows the Martini glass structure with author-driven intro. The visualization has a consistent message of spreading awareness about the top programming languages salary-wise in the US market.

Visual Structure

A dynamic line chart used to communicate the message in addition to a set of links in a legend division that allows the user to navigate and compare the data. The dynamic line chart allows for a quick and memorable data and timeline comparison while the links give the user the ability to see more facts once the author-driven intro is done.

Scenes

There are 6 Scenes dynamically crafted and displayed in one transformable chart. The scenes are ordered by the most paying programming language first bottom top.

Annotation

The language names, salaries, and years are used as annotation in addition to the list of fact for each selected language.

Parameters

The programming language name itself is the parameter that declares a change of visualization state, where each state consists of the details of the selected programming language.

Triggers

The programming languages links act as triggers to change from one scene to another. There is a title above the links to make sure the user sees the links and the links themselves transform their style upon selecting.