

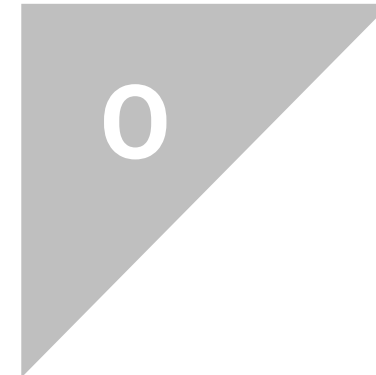
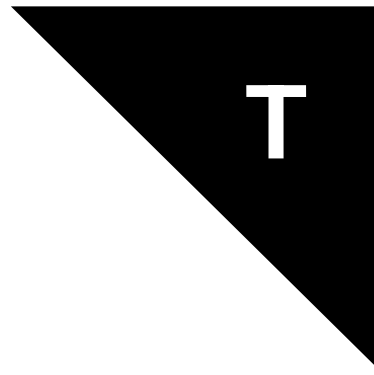
SWOT ANALYSIS



STRENGTHS

- Allows to compare side by side two companies at the same time
- Better colors to visualization
- Modularized code (create constructor in pay-gap-1997-2017.js and calls it in sketch)

TECH DIVERSITY RACE



WEAKNESSES



- Size of the pie chart could prejudice user readability

- High complexity to zoom it, needs to check p5 documentation

- Add zoom option (if left button clicked, zoom it)



THREATS

OPPORTUNITIES



TECH DIVERSITY GENDER



STRENGTHS

- Clear visual structure
- Easy interaction infrastructure and good readability
- Good styling



WEAKNESSES

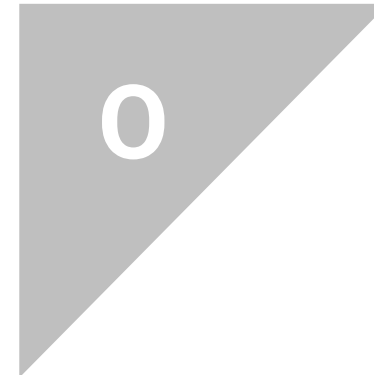
- Static layout and limited responses (hard coded margins using x and y offset)
- Binary gender limitation



- Limited scalability
- Exclusion risks due gender
- Framework limitation since using p5.js (face constraints in enterprise level web applications)



- Implement hover based legends and tooltips
- Personalize color palette
- Customize stacked columns to improve visualization



THREATS



OPPORTUNITIES



STRENGTHS

- Combine time series analysis with stacked bars to improve analysis
- Adaptable plot

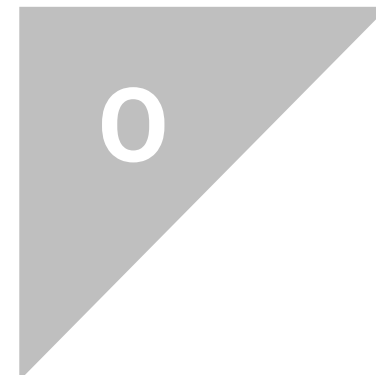
PAY GAP



WEAKNESSES



- Lack of tooltip and zoom
- Some hardcoded values for x and y offset
- No legend



- Lack of check if data comes early (if automatically ingested)

- Add interactive legend
- Add hover with numeric details
- Add a slider to select date



THREATS

OPPORTUNITIES





STRENGTHS

- Good and easy readability since the number of quantitative values is 4

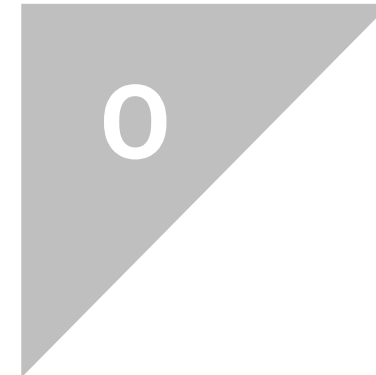
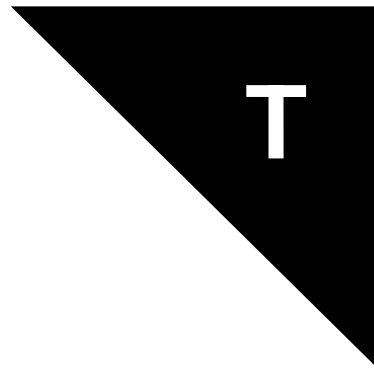
AI USAGE



WEAKNESSES



- Could have less than 30 observations, so, statistically speaking, can't inference using the central limit theorem
- Not much observations to deep analytics



- Population couldn't answer the survey
- Population could provide fake information

- Smooth transition in the pie chart visual when changing gender



THREATS

OPPORTUNITIES



Pay GAP per Job



STRENGTHS

- Good visualization due to colors
- Y and x axis improve even more the visualization

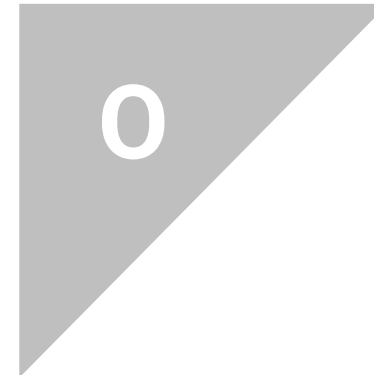


WEAKNESSES

- Doesn't have much interaction for JS usage



- Not enough time to add complex tasks due to complexity of other tasks (from other data visualizations)



- Add interactions with JavaScript



THREATS



OPPORTUNITIES

CLIMATE CHANGE



STRENGTHS

- Good visualization due to colors
- Excellent visualization due filters



WEAKNESSES

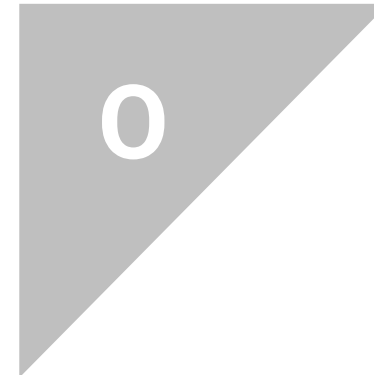
- Doesn't have much features added



- Not enough time to add complex tasks due to complexity of other tasks (from other data visualizations)



- Add more buttons to interact with the time series chart



THREATS

OPPORTUNITIES





STRENGTHS

- Good visualization due to colors
- Excellent visualization due filters

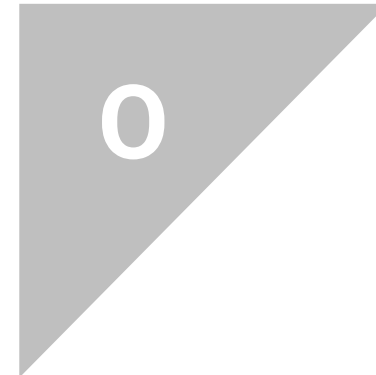
FOOD ATTITUDES



WEAKNESSES



- Doesn't have much features added



- Not enough time to add complex tasks due to complexity of other tasks (from other data visualizations)

- Add more buttons to interact with the chart



THREATS

OPPORTUNITIES





STRENGTHS

- Good visualization due to colors
- Excellent visualization due filters

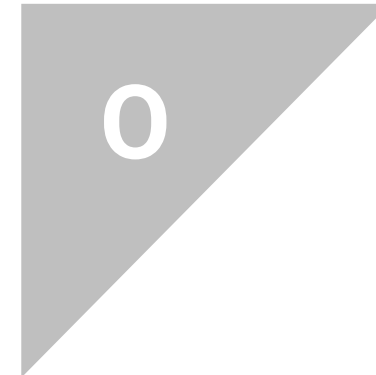
VITAMINS INTAKE



WEAKNESSES



- Lines are too thin



- Not enough time to add complex tasks due to complexity of other tasks (from other data visualizations)

- Needs buttons and filters to improve visualization



THREATS

OPPORTUNITIES

