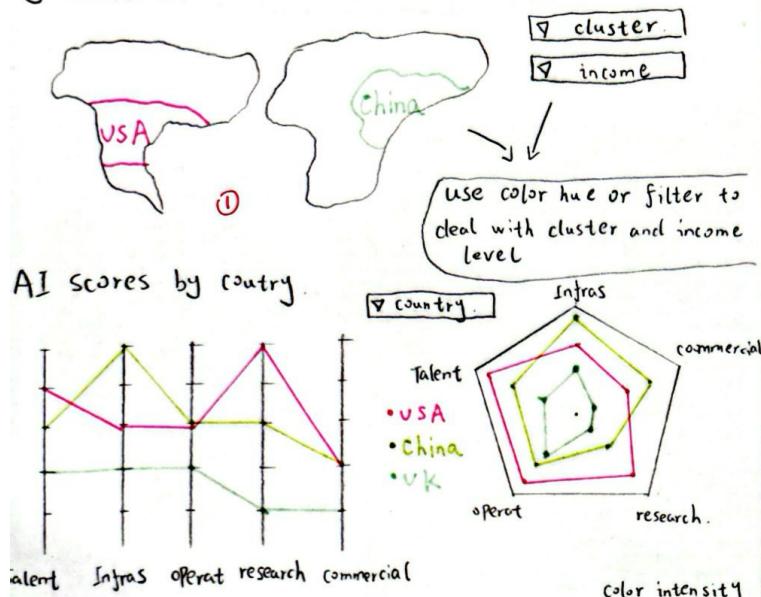
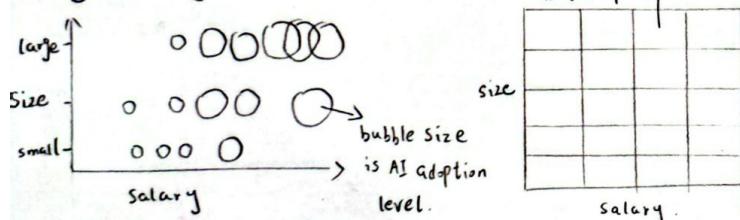


IDEAS

Map: global map shows AI Index by countries (group by cluster and income).

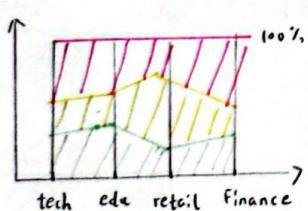


Salary, company size, AI adoption level.

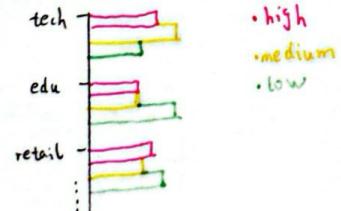


Industry + AI adoption level.

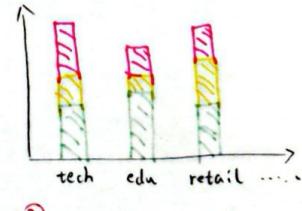
area chart.



grouped bar chart.



stacked bar chart.



job-title + automation_risk.

word count

Job Title	Automation Risk
data scientist	high
UX designer	medium
HR manager	low
AI researcher	high
cybersecurity	medium

automation risk

filter.

also + required skill

cybersecurity.

Marketing Machine Learning.

Project management

python UX/UI design.

FILTER.

① color hue for countries with different cluster/income level is removed, too many colors on map will make user overwhelmed

② removed stacked bar chart, since grouped bar chart provide similar function and is more straight to compare the "AI adoption level" as the are aligned bar

③ Sankey diagram for "Industry + AI adoption level" removed, as Sankey is hard to achieve in Vega-lite.

CATEGORIZE

① global AI Index

↓
map + radar chart / parallel coordinate

② AI-Powered Job market

↓
all rest plots.

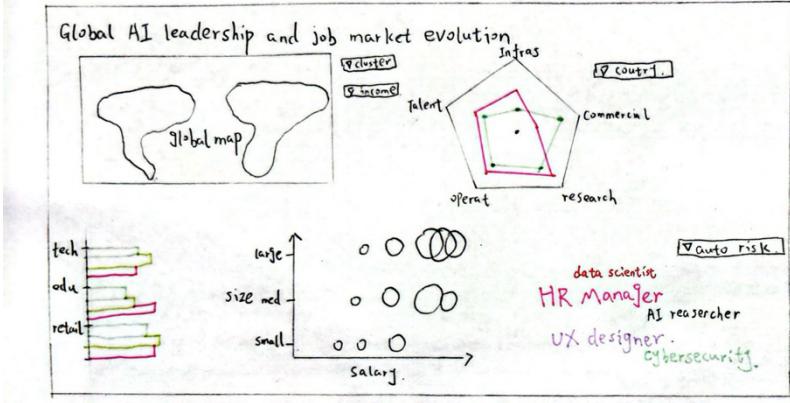
Question

- Does this vis lead to a good story?
- are multiple plot needed?
- are the vis intuitive and easy to understand?



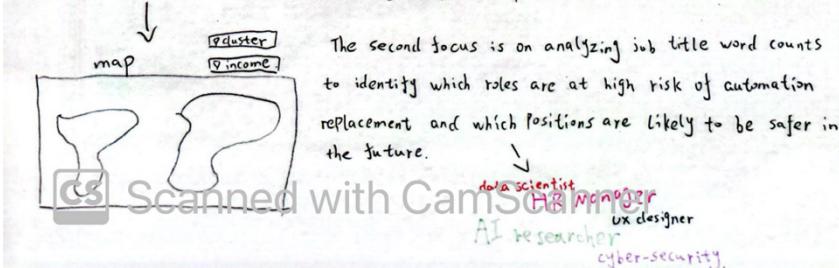
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AYOUT.



FOCUS.

Primary focus is on understanding the global AI Power by countries, providing Australians with insight into which countries are leading in AI development.



Title: Partitioned Poster.

Author: xinpei ye

Date: 02/10/2024

sheet: 2

Task: design a infographic poster

OPERATION

- 4 filters:
- cluster → filter countries in Nascent / Power Player / rising stars....
 - income → filter countries in High income / lower middle / upper middle.
 - auto risk → filter countries in high risk of automation replacement.

radar chart: country: to compare Selected Countries AI Scores in radar chart.

auto risk: High / med / low, to see which jobs are in high risk of automation replacement.

DISCUSSION

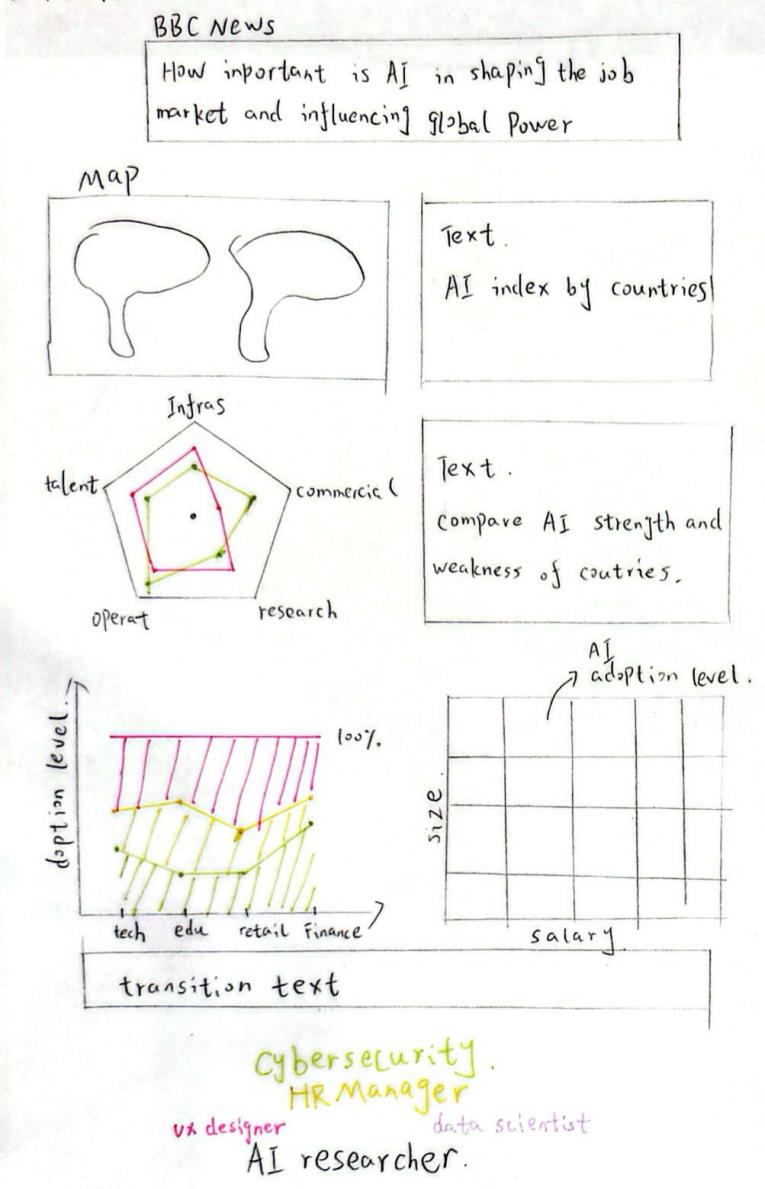
Pros

- clear central focus
- simplified design.
- logical flow.

Cons.

- Audience interpretation risk
- Limited context.

LAYOUT.



Title: Scollable Poster

Author: Xinpei Ye

Date: 03/10/2024

sheet: 3

Task: story like poster.

OPERATION.

cluster → For map.

income

country → For radar chart

auto risk → for word count.

DISCUSSION.

Pros

- clear narrative flow.
- effective annotation.
- balanced emphasis on key factor

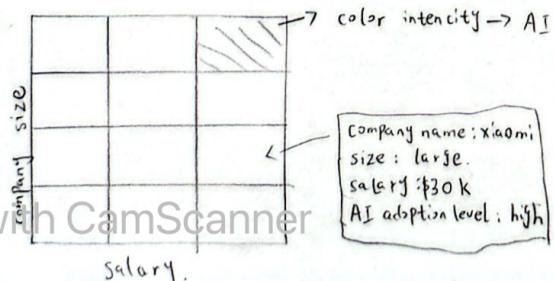
Cons

- limited focus on individual variables.
- dependency on order: story relies heavily on correct sequence.

FOCUS.

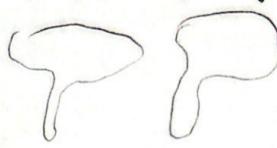
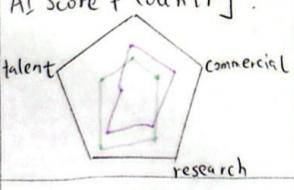
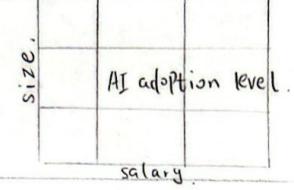
The core idea is that while all visualisations are equally important, the real emphasis lies in using detailed and clear annotations to guide user through the narratives.

Eg.



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LAYOUT.

BBC NEWS. How important is AI in shaping the job market and influencing global power.	MAP + AI Index (country) 
AI Score + country. 	heat map. 
Industry + AI adoption level tech edu retail	data scientist UX designer HR manager AI researcher cyber security
Conclusion. Key take aways. future outlook.	

FOCUS

In this layout, the primary focus is on structuring the order of slides to guide the audience smoothly through the narrative. It should lead the audience step-by-step from an overview of the main trends (Global AI Index) to deeper insights into the influence of AI on job markets.

Title: slide show

Author: Xinpei Ye

Date: 21/10/2024

sheet: 4.

Task: slide show.

OPERATION.



Same filters mentioned in sheet 3.

DISCUSSION.

Pros.

- improved narrative flow.
- one plot at a time: avoid overwhelming user with too many information at once.

Cons.

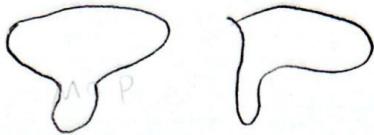
- limited interactions: less ability to explore data independently or jump between sections.
- dependency on order: story relies on correct slide sequence.



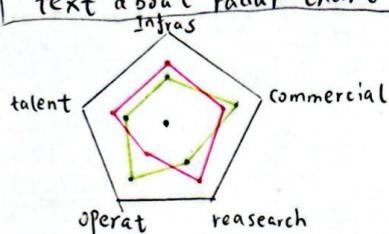
LAYOUT

Title + Introduction.

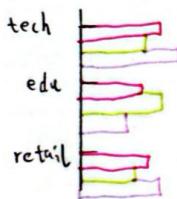
Text about map.



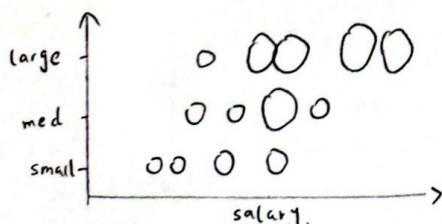
text about radar chart



text about grouped_bar chart



text about bubble chart



text about word-cloud

Cybersecurity.
HR manager
UX designer
AI researcher.
Data scientist

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Title: scrollable Poster

Author: Xipei Ye

Date: 04/10/2024

sheet: 5

Task: final design.

OPERATION.

filter.

cluster → Map.

country1 country2



2 dropdown list for choosing country to display in radar chart.

FOCUS.

In this design each plot is equally important, the order of plots and the text are crucial to guide the user. Since plots are large this time, layout (good use of white space, element management etc) is crucial as well.

Detail.

- dependencies.
- Vega-lite library.
- Vega library (radar chart, word-cloud).

Time:

estimate time: 1 week

~ 20 hours.

1 day map + radar

1 day bar + bubble

1 day word cloud

1 day ...