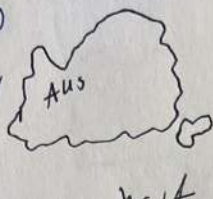


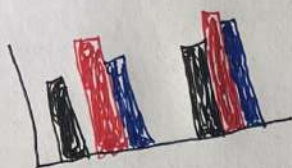
# IDEAS

## ① categorical features

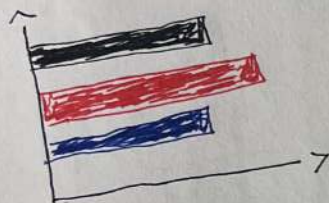
a) Australia MAP



b) side-by-side bar chart

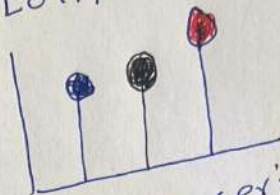


c) horizontal bar chart



## ② Quantitative features

a) Lolipochart

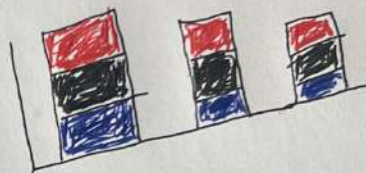


③ time-series analysis

a) a line chart



b) complex bar chart

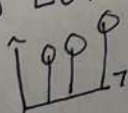


## FILTER

a) horizontal bar chart  
not suitable  
as the comp  
lex one  
would be  
more  
informative



b) Lolipochart



wouldn't  
be good  
for showing  
changes  
over time

## CATEGORISE

Quantitative  
• states  
• year

Quantitative  
• Temperature  
• Years

## Questions

→ should all the quantitative features be use separately?

→ would lolipchart be clustered if it was more than 10 years?

## COMBINE and REFINE

3.a) can be used by filtering years

1.a) can be use by clicking to show more details

Author: Ibrahim Alfdi

Date: 13/10

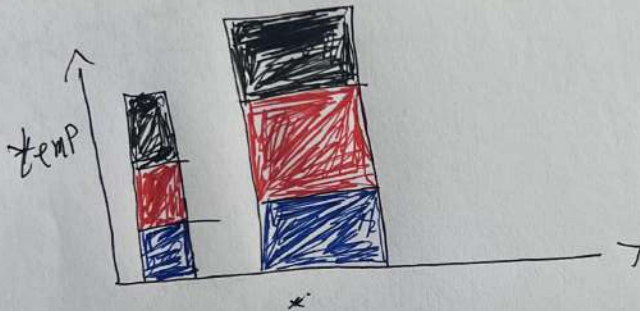
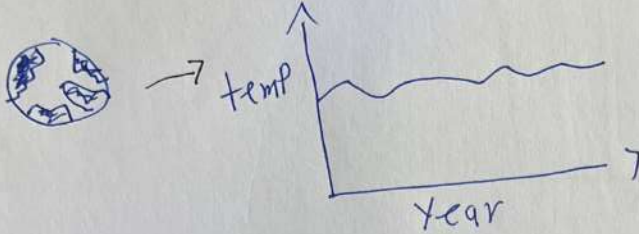
Sheet: 1

# LAYOUT

history

present

future



## focus

- map and it's details are the main focus
- as well as future prediction of temp

Author: Ibrahim  
Alfaidi

Date: 13/16

Sheet: 2

## OPERATION

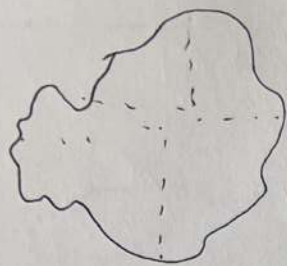
- filter time:  
(Past, Present, future)
- click on the place to see it's details

## DISCUSSION

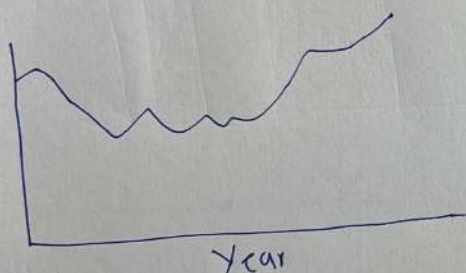
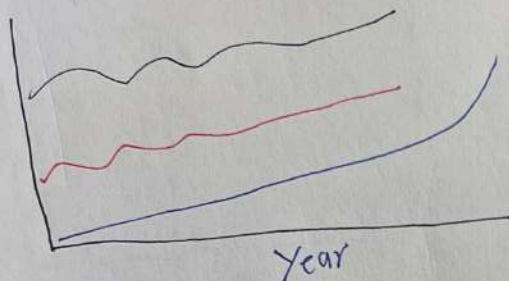
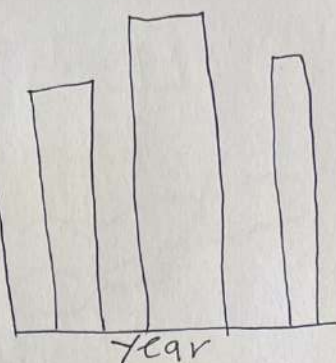
- ⇒ can it be more interactive?
- ⇒ can we add more parameters



# LAYOUT



=> temp



Author: Ibrahim  
Alfaidi

Sheet: 3

Date: 13/10

## OPERATION

- click on the map to give details on the location and it's history temp

## focus

- > main focus is the map location and historical temp data

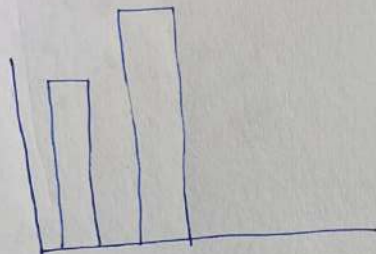
## DISCUSSION

advantages:  
-> simple and easy to understand

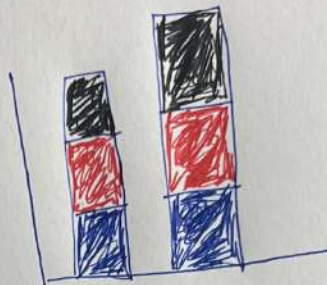
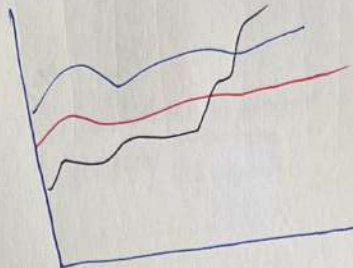
disadvantages:  
lacks showing trends

# LAYOUT

history



future



Author: Ibrahim  
Alfaidi

Sheet: 4

date: 13/10

## operation

- click the time  
(past or future)
- click the map  
to show  
the past temp

## focus

- the future prediction of the temp
- the past temp in Australia
- shows the effect of climate change

## DISCUSSION

advantages:

- ① Clear and user friendly
- ② shows compare between past and history

disadvantages:

- ① need more charts

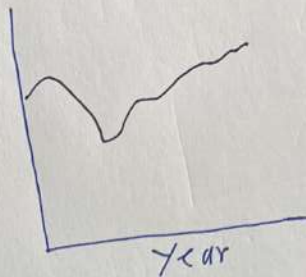
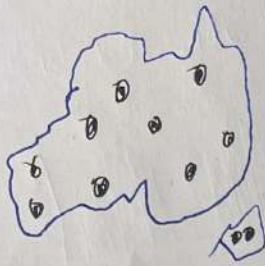
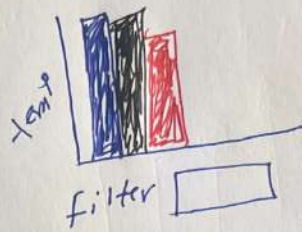
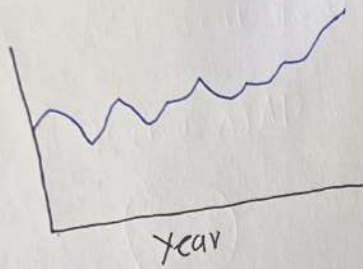


# LAYOUT

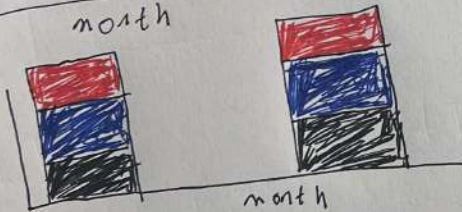
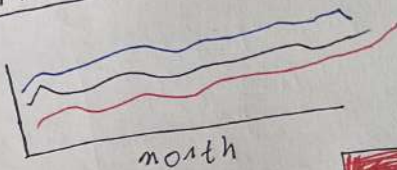
history

station

future



future



focus

- ⊗ - are necessary impacts ~~and~~ require more focus to provide more insights in less time
- side-by-side chart is present at temp with filters

Author: Ibrahim Alfaidi

Date: 13/10  
sheet: 5

operation

- both numerical and categorical filters are added
- text box are added to make it understandable
- Tooltips are added to have every data point to view information

DISCUSSIONS

- => dashboard is made interactive
- => can we add parameters?