Ideas
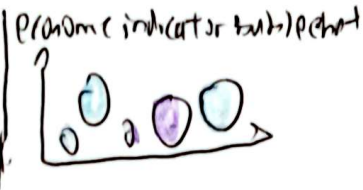
1.

economic
landscape
- startup ecosystems
- PPP
- PPP per capita
- service sector contribution

infrastructure
- adequate talents
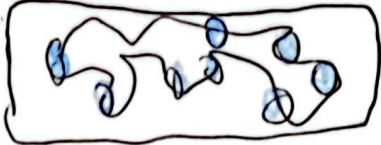- strong infrastructure
- low costs
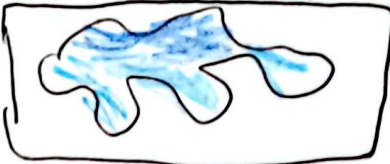- low taxes
- simple regulations

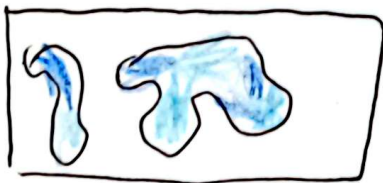Choroplet map of corporate tax

Ease of business bar chart

Economic indicator bubble chart

Proportional symbol ecosystem map

median salary chloroplet map

Combine and refine

After considering infrastructure quality, add
chloroplet map for infrastructure quality
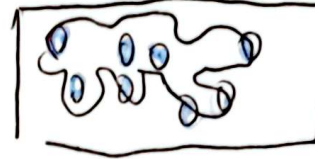
Filter

1. Ease business bar chart

2. Economy bubble chart

3. Proportional symbol ecosystem map

4. median salary chropleth map

Categorize

1. Business Environment
- Ease business bar chart
- Ecosystem map
- Median salary chroloplet map

2. Economic landscape
- Economic indicator bubble chart
- Proportional symbol ecosystem map
- Chloroplet map median salary

3. work force
- Chloroplet map infrastructure quality
- Proportional symbol startup ecosystems
- Chloropleth map median salary

Question
1. Do the data exists for my ideas?

Author: Edward Donartna

Sheet 2	
Layout	**Operation**

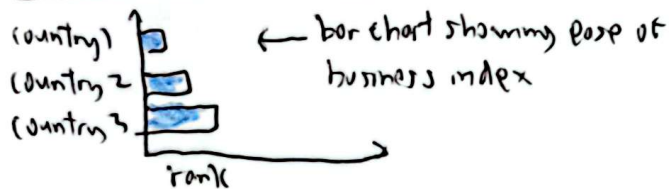**Layout**

| sec1 | sec2 | sec3 | sec4 | sec5 |

Title

Sec 1
Why start a business in a foreign country

Sec 2
3 success stories of start up started in foreign country

Sec 3

[By global rank] [By Alphabet]

country1
country2 ← bar chart showing ease of
country3 business index
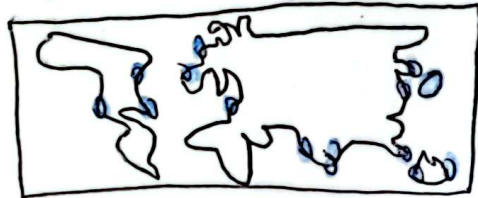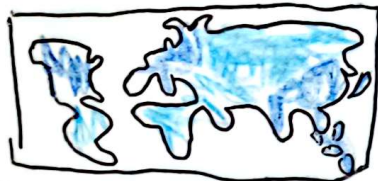rank

Explanation and insights

Sec 4

Symbol map showing top startup ecosystems
Explanation and insights

Sec 5

Chloropleth map showing percentage of service
in a country's economy
Explanations and insights

Focus: Ease of Business index

[By global rank] [By Alphabet]

country1
country2
country3
rank
page

1. Primary focus on how conducive the regulation is
to conduct businesses

2. Can switch between sorted by rank or alphabet

3. Each page shows 20 countries. Moving the slider
will show the next 20 contries.

Operation

1. Ease of business index bar chart operations explained
in focus

2. Top startup ecosystems symbol map:
- Choose focus points and zoom on them
- The bigger the symbol the higher the rank
- Tooltip that will show when you hover over each map

3. Service percentage chloropleth map:
- Option to choose focus points and zoom in on them
- Filter by percentage and market cap. If the number
is smaller than the filter the country will be blurred.

4. Navigation header:
- Clicking on each section to quickly go to it
- Always on top of the screen no matter how far you
scroll down

Discussion

1. This visualization focuses on the business environment.
Which is how easy it is to start and operate a business.
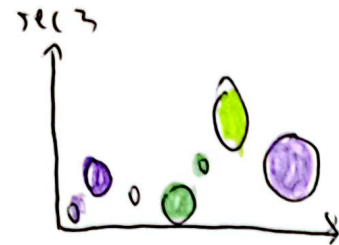
2. Should also consider the economic landscape

sheet3

Author: Edward Prophnn

Layout

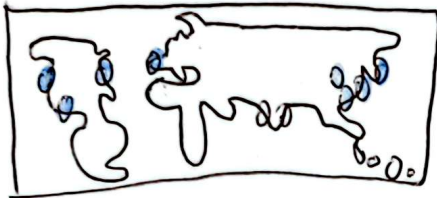| sec1	sec2	sec3	sec4	sec5

Title

sec 1

Why start a startup in a Foreign country

sec 2

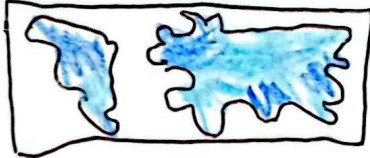3 sucess stories of startups created in a foreign country

sec 3

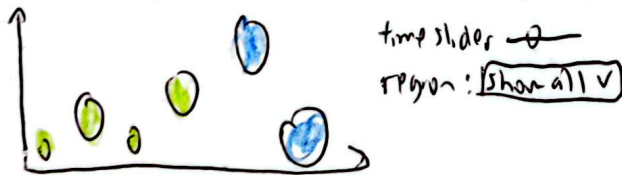Bubble chart of countries economic indicators

sec 4

Chloropleth map showing daily median icome of countries

sec 5

Proportional symbol map showing top startup ecosystems

Focus: Bubble Chart Economic Indicators

time slider —o—

region : [Show all ∨]

1. X axis is PPP, Y axis PPP per capita, bubble size is population, and color is region

2. Time slider to show changes in PPP, PPP per capita, and population

3. Filter to filter by region

Operation

1. Bubble chart explained in focus

2. Chloropleth map of median income:
- Filter by income
- Choose fous points and zoom on it

3. Startup ecosystem symbol map.
- Choose fous points and zoom on it

Discussion

1. Focuses on economic landscape this one.

2. Show another one or the cost of running a business

Sheet 4
Author: Edward

Layout

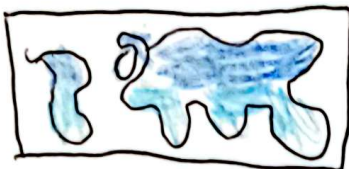| sec 1	sec 2	sec 3	sec 4	sec 5

Title

sec 1
Why start a startup in foreign country

sec 2
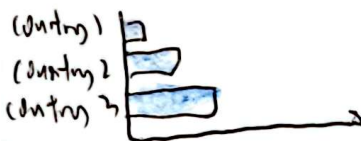3 success stories of startup created in foreign country

sec 3

Chloropleth map of daily median salary

sec 4

Chloroplet map of service sector percentage

sec 5

Ease of business index bar chart

Focus

income
focus point
zoom

Chloropleth map of median daily salary

1. Important to determine cost of running a business

2. Can filter by income. If number larger than filter country blurred out.

Operation

1. Daily median salary explained in focus

2. Service sector percentage chloropleth map:
- Choose focus points and zoom
- Filter by percentage and market worth.
If number smaller than filter it will be blurred

3. Ease of business bar chart
- show 20 countries each page. With page slider.
- Sort by rank or alphabet

Discussion

1. Combine the charts to create a visualization that covers every aspect.

Layout

sec1 | sec2 | sec3 | sec4 | sec5 | sec6

Title

sec1

Why start business in foreign country

sec2

3 success stories

sec3

 ← Map of startup ecosystems

Important insights

sec4

[by rank] [Alphabetically]

 ← Ease of business bar chart

Explanations and insights

sec5

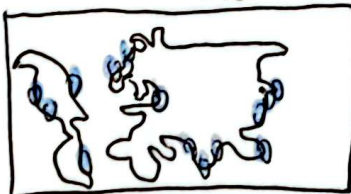 ← bubble chart of PPP, PPP per capita, population, and region

Insights

sec6

[Median Income] [Service sector percentage]

 ← Map of median income / service sector chloroplet map both

Focus

 ← Map of startup ecosystem>

zoom: ○———○○
Center: [Ghana ▾]

1. The bigger the circle the lower the value (higher the rank)
2. Choose focus points and zoom on them
3. Proportional symbol map
4. Hovering over tooltip shows all the data

Operator

1. [sec1 | sec2 | sec3 | sec4] ← Nav Header
   Navigation header: Click on a section to instantly go to that section
   Header: Always appear on top of the screen no matter how far you scroll down

2. Map of startup ecosystems: Explained in Focus

3. Horizontal bar chart
   - Switch between sorted by rank or alphabetically
   - Each page shows 20 countries. Slide the filter to see next 20 countries
   - Tooltip that shows all the data
   - X axis is rank, Y axis is countries

4. Bubble Chart
   - X axis is PPP, Y axis PPP per capita, bubble size is population, and color is region
   - Time slider showing the change in countries PPP, PPP per capita, and population
   - Filter by region

5. Infrastructure map
   - Switch between median income map or service sector map
   - For both there is option to choose focus points and zoom on them
   - For median income filter for number smaller than filter, blur countries with number higher than filter
   - For service filter for number larger than filter. If number smaller than filter country is blurred.
   - In service sector filter by percentage and worth

Detail

1. Use vegalite, HTML, CSS, and JS. Vegalite is used to create charts.
2. Store datasets in github public repo. Repo needs to be public so vegalite can retrieve the data.