Assignment 7

Adult

a. 1D (Linear) Data visualization

* Rows: Age
* Marks: color -> race

b. 2D (Planar) Data Visualization

* Column: Occupation Measure Names
* Rows: Age
* Marks: color -> income
* Marks: text -> race

c. 3D (Volumetric) Data Visualization

* Column: Workclass, Occupation, Measure Names
* Rows: Age
* Marks: color -> race

d. Temporal Data Visualization

* Column: Sex, Income, Measure Names
* Rows: Age
* Colour: race

e. Multidimensional Visualization

* Size: Sum(Age)
* Colours: Sum(age)
* Label: Income,occupation

f. Tree/ Hierarchical Data visualization

* Column: Sum(age) - color,size
* Rows: Income, occupation - label
* Then switch to tree

g. Network visualization

* Column: Line X
* Row: Line Y, Circle Y
* Change to dimension and circle y to dual axis
* In Line y select Line add color-measure name, detail-relationship
* In circle y select circle and color-node, detail-relationship, label-node
* Increase shape of circle

Iris

a. 1D (Linear) Data visualization

* Colour: Sum(Septal Length cm)
* Size: CNT(septal length cm)
* Label: Septal lenth cm (dimension)
* Marks : Circle

b. 2D (Planar) Data Visualization

* Column: Septal length cm(bin), Septal width cm (continous) (dimension)
* Rows: Septal length cm (continous) (dimension)
* Details: CNT(Septal length), SUM(septal length)

c. 3D (Volumetric) Data Visualization

* Columns: Id, Measure Names
* Rows: Measure Values
* Filters: Measure Names
* Colour: Measure Names
* Measure Values: Sum(Petal length cm), sum(septal length cm), sum(septal width cm)

d. Temporal Data Visualization

* Column: Septal length cm (bin)
* Row: Sum(Septal length cm), Sum(petal width cm)
* Colours: Measure Names

e. Multidimensional Visualization

* Columns: Species , Measure Names
* Rows: Measure Values
* Filters: Measure Names
* Colours: Measure Names
* Measure Values: Sum(Petal length cm), Sum(Septal length cm), Sum(septal width cm)

f. Tree/ Hierarchical Data visualization

* Colours: Species
* Label: Sum(Petal length cm)
* Label: Species

g. Network visualization

* Columns: Species, Measure Names
* Rows: Measure Values
* Filters: Measure Names
* Marks: Shape
* Colours: Measure Names
* Measure Values: Sum(Petal length cm), Sum(Septal length cm), Sum(Septal width cm)