

collaboration  
points

#### Data management

Contribute data  
Clean data  
Categorize data  
Modreate date

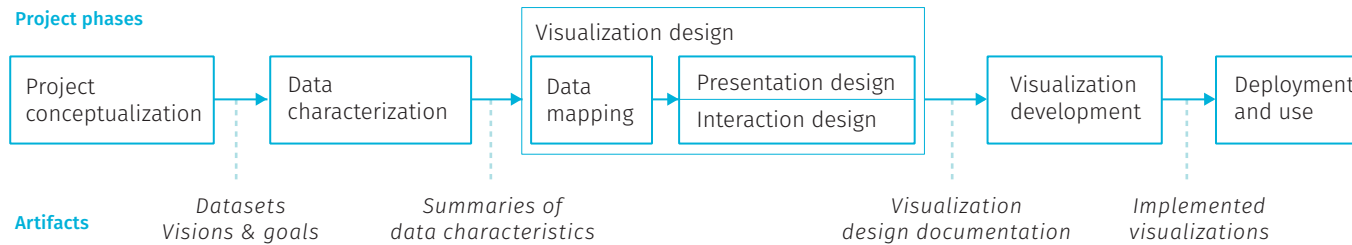
#### Visualization

Select data source  
Apply visual encodings  
Author software

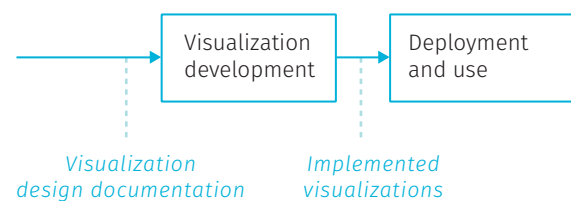
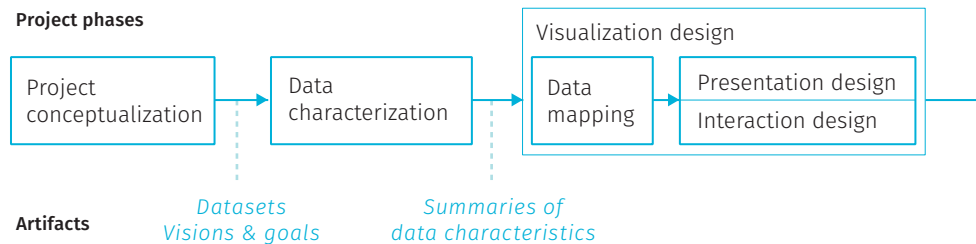
#### Visual analytics

Observations  
Hypotheses  
Evidence  
Summarize  
Report / Presentation

#### Project phases



#### Project phases



map reading  
(human algofrithms)

knowledge  
discovery

data mining  
(computational algorithms)