



# Data Visualization with Tableau

## Session 4



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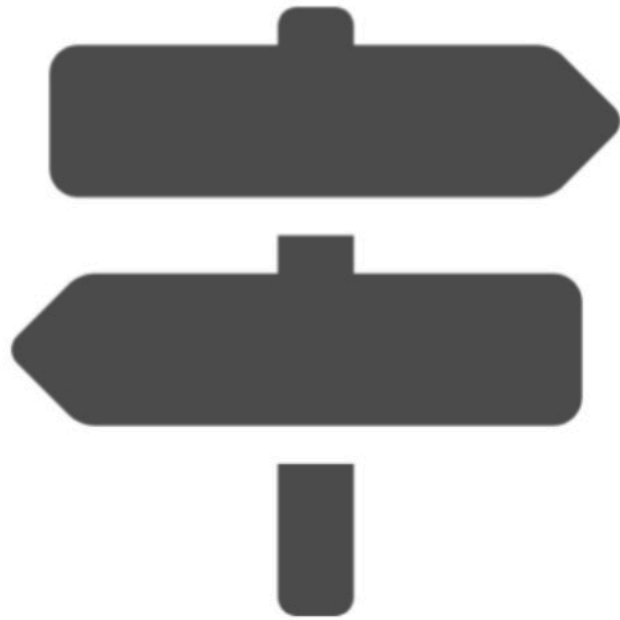
# Objective

- Sorting your data
- Creating groups from members of a dimension
- Creating hierarchies among the fields having a hierarchical relation



# Sorting your Data

There are many ways to sort data in Tableau.



- Single click options from
  - axis
  - header
  - field label
- Sorting manually in headers and legends
- Using the toolbar sort icons
- Sorting from the sort menu

# Group Your Data



You can create a group to combine related members in a field.

For example, if you are working with a view that shows average test scores by major, you might want to group certain majors together to create major categories. English and History might be combined into a group called Liberal Arts Majors, while Biology and Physics might be grouped as Science Majors.

Major	Score
English	60
History	70
Biology	90
Physics	60



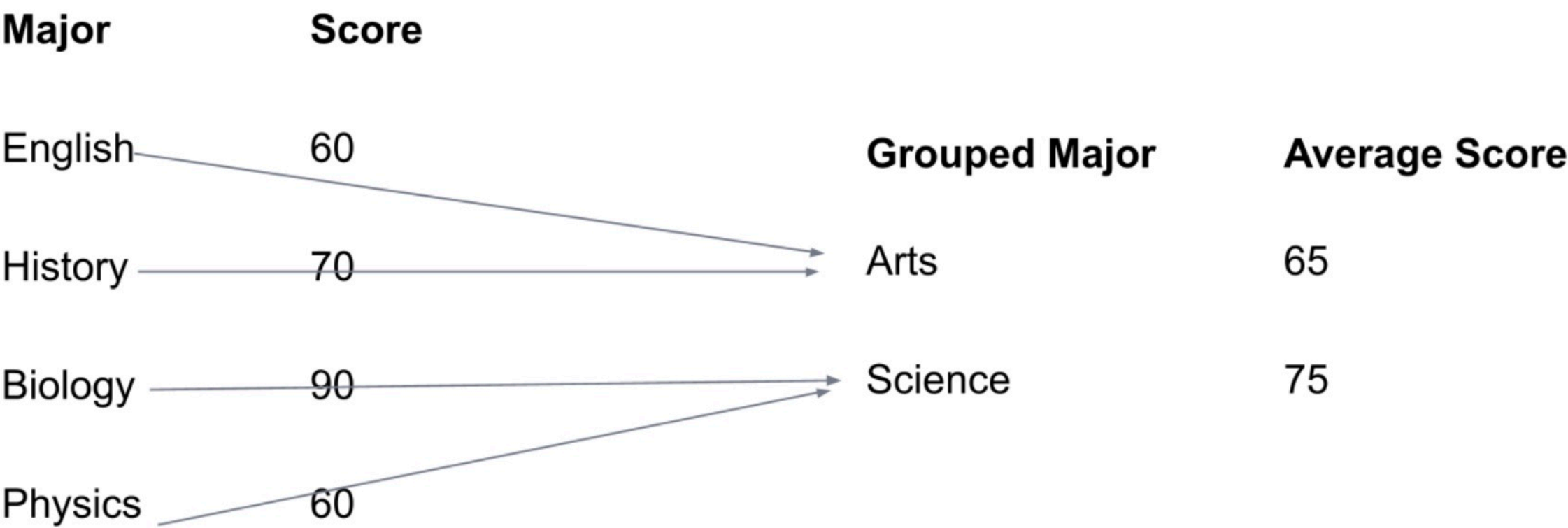


# Group Your Data

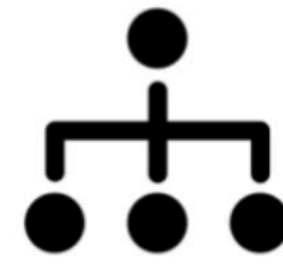
Groups are useful for both correcting data errors (e.g., combining CA, Calif., and California into one data point) as well as answering "what if" type questions (e.g., "What if we combined the East and West regions?").



# Group Your Data



# Creating Hierarchies



A hierarchy allows us organize different dimensions into a structure that can be expanded or collapsed inside of our view. It is very common to create hierarchies from geo-fields,

- ▼  Geo-Fields
  -  Country / Region
  -  State
  -  City



# Sets



## What are Tableau Sets?

Tableau Sets are custom fields used to hold the subset of data based on a given condition. In real-time, you can create a set by selecting members from the list or a visualisation. You can also do the same by writing custom Conditions or Selecting Top/Bottom few records in a Measure.

# Sets



## Dynamic Sets

The members of a dynamic set change when the underlying data changes.

Dynamic sets can only be based on a single dimension.

## Fixed Sets

The members of a fixed set do not change. A fixed set can be based on a single dimension or multiple dimensions.

# Wrap-up



- Sorting your Data
- Creating Groups & Hierarchies & Sets



