

LOGO

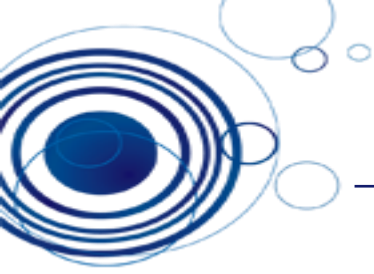
# BigData Engineering

6주차: Scale and Basic Chart

강의 : 신경섭

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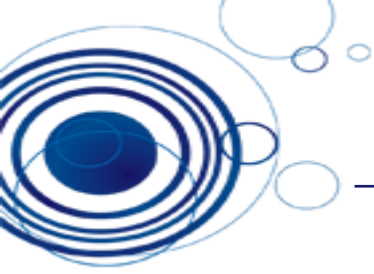


# We covered...

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- Python Basics
  - Basic functions
  - Types, List, Dictionary
- Numpy library
- Pandas Library
  - Series data structure
  - Dataframe data structure
  - Indexing/Merge/Groupby



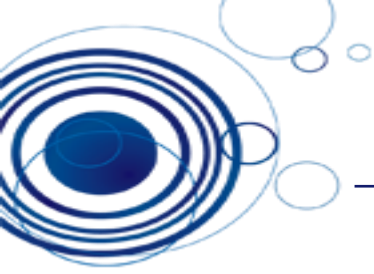


# Today's Subjects

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- Application of Dataframes
  - Scale
- Visualization of Data
  - Matplotlib
  - Scatter chart
  - Line chart
  - Bar chart





# Scale

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## **Ratio scale:**

- units are equally spaced
- mathematical operations of  $+/ - / *$  are all valid
- E.g. height and weight

## **Interval scale:**

- units are equally spaced, but there is no true zero

## **Ordinal scale:**

- the order of the units is important, but not evenly spaced.
- Letter grades such as A+, A are a good example

## **Nominal scale:**

- categories of data, but the categories have no order with respect to one another.
- E.g. Teams of a sport.

