

# # Pandas : Analysis & Manipulation

① info()

② describe()

③ head(), tail()

④ columns

⑤ dtypes

⑥ sort\_values()

⑦ sort\_index()

⑧ value\_counts()

⑨ groupby()

⑩ pivot\_table()

⑪ crosstab()

⑫ agg()

## Data Preprocessing

① Fixing Rows/Columns —   
 — Delete   
 — ~~Add~~   
 — Rename   
 — Datatype

② Handling Duplicates

③ Missing values

④ Outliers







