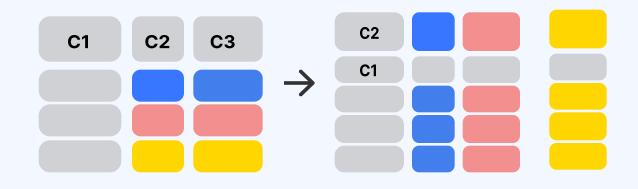
RESHAPING DATA

>>>df1= pd.pivot_table(df3,
values='C4', index='C5',
columns='C6')

>>>df3=df7.pivot(index='C1',col
umns='C2', values='C3')
(Spread rows into columns)



.: Jovian

DATA WRANGLING IN PANDAS

MISSING DATA

>>>df1.dropna()
(Drop NaN values)

>>>df2.fillna(df2.mean())
(Fill NaN values with a
predetermined value)

>>>df3.replace(j,J)
(Replace values with
others)

DUPLICATE DATA

>>>df1.unique() (Return
unique values)

>>>df2.duplicated('C1') (Check
duplicates)

>>>df2.drop_duplicates('C2',
keep='last')
(Drop duplicates)

>>>df3.index.duplicated()
(Check index duplicates)

GROUPING DATA

Aggregation

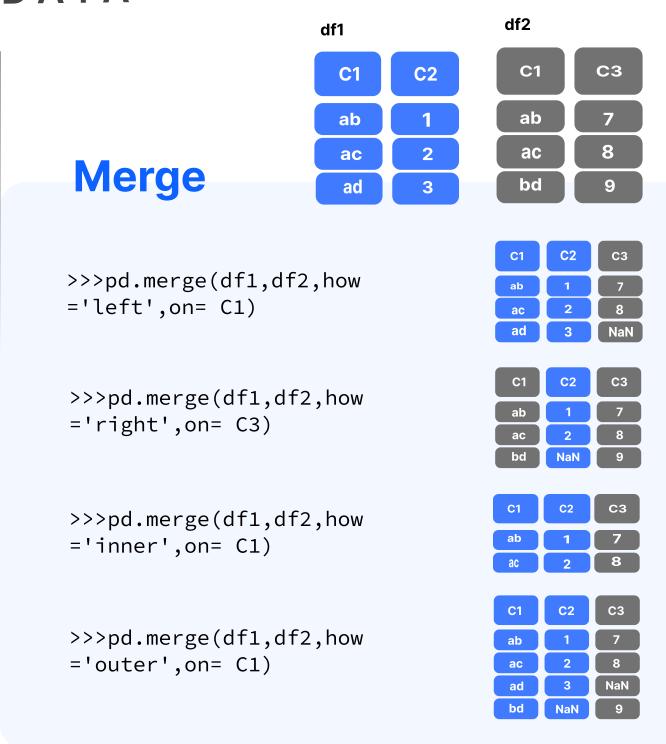
>>>df2.groupby(by=['
C1', 'C2']).mean()
>>>df3.groupby(level
=0).sum()
>>>df4.groupby(level
=0).agg({'m':lambda}
x:sum(x)/
len(x),'n':np.sum})

Transformation

>>>customSum = lambda x:
(x+x%2)

>>>df1.groupby(level=0).t
ransform(customSum)

COMBINING DATA



a. Vertical

>>>df1.append(df2)

b. Horizontal/Vertical

>>>pd.concat([df1,df2],axis=1,
join= 'inner')

>>>pd.concat([df1,df2],axis=1,keys=['C1','C2')

>>>df1.join(d
f2,
how='right')