MERGE left/right

df1

Spice	In_stock	Ordered
Cinnamon	0	5
Anise	2	2
Nutmeg	3	0
Clove	7	0

df2

Spice	Price
Cinnamon	3.50
Anis	4.00
Saffron	9.90
Pepper	3.20
Turmeric	6.75

pd.merge(left=df1, right=df2, how= 'left', on='Spice')

Spice	In_stock	Ordered	Price
Cinnamon	0	5	3.50
Anise	2	2	4.00
Nutmeg	3	0	NaN
Clove	7	0	NaN

pd.merge(df1, df2, how= 'right', on='Spice')

Spice	Price	In_stock	Ordered
Cinnamon	3.50	0	5
Anis	4.00	2	2
Saffron	9.90	NaN	NaN
Pepper	3.20	NaN	NaN
Turmeric	6.75	NaN	NaN

Merges dataframes on specific column/index with options left, right, inner, outer.

MERGE Inner/Outer

df1

Spice	In_stock	Ordered
Cinnamon	0	5
Anise	2	2
Nutmeg	3	0
Clove	7	0

df2

Spice	Price
Cinnamon	3.50
Anis	4.00
Saffron	9.90
Pepper	3.20
Turmeric	6.75

pd.merge(df1, df2, how= 'inner', on='Spice')

Spice	In_stock	Ordered	Price
Cinnamon	0	5	3.50
Anise	2	2	4.00

pd.merge(df1, df2, how= 'outer', on='Spice')

Spice	In_stock	Ordered	Price
Cinnamon	0	5	3.50
Anis	2	2	4.00
Nutmeg	3	0	NaN
Clove	7	0	NaN
Saffron	NaN	NaN	9.90
Pepper	NaN	NaN	3.20
Turmeric	NaN	NaN	6.75

Concat

df1

Spice	In_stock	Ordered
Cinnamon	0	5
Anise	2	2
Nutmeg	3	0
Clove	7	0

df2

Spice	Price
Cinnamon	3.50
Anis	4.00
Saffron	9.90
Pepper	3.20
Turmeric	6.75

pd.concat([df1, df2])

Stacks data frames on top of each other. Also works on axis=1 (horizontally)

Spice	In_stock	Ordered	Price
Cinnamon	0	5	NaN
Anise	2	2	NaN
Nutmeg	3	0	NaN
Clove	7	0	NaN
Cinnamon	NaN	NaN	3.50
Anis	NaN	NaN	4.00
Saffron	NaN	NaN	9.90
Pepper	NaN	NaN	3.20
Turmeric	NaN	NaN	6.75