

Conditional Selection in



Data Frames

Conditional Selection

Given that **data** =

	Name	Age	Year	State	Language	Population
0	Ben	20	2015	Lagos	English	20000
1	Jake	18	2016	Borno	German	37000
2	Sully	25	2017	Kogi	Chinese	15000
3	Bob	35	2018	Kano	French	45000
4	Joy	12	2019	Gombe	Latin	19000
5	Matt	20	2020	FCT	Spanish	53000
6	Ace	40	2021	Oyo	Dutch	62000
7	Hilary	38	2022	Yola	Mandarin	93000

Then **data.loc[data["Age"] > 25]**

	Name	Age	Year	State	Language	Population
3	Bob	35	2018	Kano	French	45000
6	Ace	40	2021	Oyo	Dutch	62000
7	Hilary	38	2022	Yola	Mandarin	93000

Multiple Conditional Selection

Given that **data** =

	Name	Age	Year	State	Language	Population
0	Ben	20	2015	Lagos	English	20000
1	Jake	18	2016	Borno	German	37000
2	Sully	25	2017	Kogi	Chinese	15000
3	Bob	35	2018	Kano	French	45000
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5	Matt	20	2020	FCT	Spanish	53000
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7	Hilary	38	2022	Yola	Mandarin	93000

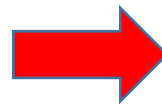
`data.loc[(data["Age"] > 25) & (data["State"] == 'Kano')]`

	Name	Age	Year	State	Language	Population
3	Bob	35	2018	Kano	French	45000
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Querying The Data Frame

Given that **data** =

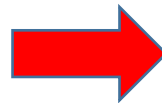
	Name	Age	Year	State	Language	Population
0	Ben	20	2015	Lagos	English	20000
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`data.query('Age>25')`

	Name	Age	Year	State	Language	Population
3	Bob	35	2018	Kano	French	45000
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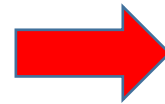
`data.query('Age>25 & State=="Kano"')`



	Name	Age	Year	State	Language	Population
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7	Hilary	38	2022	Kano	Mandarin	93000

The Same Result

```
data.loc[data["Age"] > 25]
```



```
data.query('Age>25')
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