

Extracting and changing DataFrame data

Presenter: Steve Baskauf
vanderbi.it/codegraf



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Slicing rows



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Slicing rectangles and columns



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Deleting ranges of rows or columns

Boolean selection of rows

How selecting works

- A boolean operation is done on a column. Any common operation (`==`, `<`, `>`, etc.) is possible.
- That generates a series of boolean values (**True** or **False**) the same length as the number of table rows.
- If the series item corresponding to the row is **True**, the row is included. If the series item for that row is **False**, the row is excluded.
- The resulting DataFrame maintains the label indices of the original DataFrame.

Selection indexing process

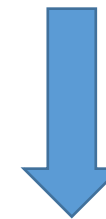
organism_info

label (position)	group (0)	number legs (1)
'lizard' (0)	'reptile'	4
'spider' (1)	'arachnid'	8
'worm' (2)	'annelid'	0
'bee' (3)	'insect'	6



Insert this boolean series as the index for .loc (in the square brackets).

organism_info['number legs'] > 5
False
True
False
True



label (position)	group (0)	number legs (1)
'spider' (0)	'arachnid'	8
'bee' (1)	'insect'	6

organism_info.loc[organism_info['number legs'] > 5]

Changing values by boolean condition



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Iterating through rows



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