## Calculating Jaccard coefficient

The table shows the pathological test results for three individuals.

Name	Gender	Fever	Cough	Test-1	Test-2	Test-3	Test-4
Jack	М	Υ	N	Р	N	N	А
Mary	F	Υ	N	Р	Α	Р	N
Jim	M	Υ	Р	N	N	N	А

Calculate Jaccard coefficient for the following pairs:

- (Jack, Mary)
- (Jack, Jim)
- (Jim, Mary)

Jack	М	Υ	N	Р	N	N	А
Mary	F	Υ	N	Р	Α	Р	N
Matching	N	Υ	Υ	Υ	N	N	N
Total number of variables			7				
Matching variables			3				
None Matching variables			4				

Jaccard coefficient = 0.33

М	Υ	N	Р	N	N	Α	
М	Υ	Р	N	N	N	А	
Υ	Υ	N	N	Υ	Υ	Υ	
Total number of variables			7				
Matching variables			5				
None Matching variables			2				
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Jaccard coefficient = 0.67

Jim	М	Υ	Р	N	N	N	Α
Mary	F	Υ	N	Р	Α	Р	N
Matching	N	Υ	N	N	N	N	N
Total number of variables			7				
Matching variables			1				

Jaccard coefficient = 0.75