

Expected Valuation of Skill1 given Skill2

	Skill1													
Skill2	algorithm	artificial-intelligence	c++	data-mining	django	hadoop	machine-learning	nlp	pattern-recognition	probability	python	ruby	sql	statistics
algorithm		0.21	0.82	0.06			0.17	0.10		0.10				0.15
artificial-intelligence				0.48			0.89	0.62	0.16	0.12				
c++	0.29										0.20			
data-mining		0.68					0.92	0.61	0.19					
django											0.95			
java	0.16		0.14			0.07							0.19	
machine-learning		0.83		0.77				0.75	0.24	0.17				0.59
nlp		0.58		0.36			0.81							
probability														0.88
python	0.15				0.83	0.02	0.04	0.05				0.09		0.03
sql					0.09									
statistics				0.22			0.57			0.59				

Caveats:

- 1) Siblings fail – This was expected. Having common questions on java and c++ do not make sense. So (java, c++) and (python, ruby) fail
- 2) Algorithm and C++ fail because somehow a lot of people ask questions tagged algorithm and c++ both. This is wierd actually. I think this is more of a data problem than modeling problem. Need to investigate more.