



Information Retrieval Exercises

Assignment 5:

Finding frequent co-occurrences - Solutions

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Evaluation setup

- Correctness:
 - Find at least 900 of the 1000 co-occurrences in reference solution
 - Slight deviations in computed score and rankings are O.K.
 - 14 out of 21 submissions were correct
- Runtime:
 - Utilization of wall clock time
 - Whole program execution (including parsing, stop word filter, co-occurrence detection)

Evaluation setup

- Evaluation was performed on a dedicated server of our research group
 - Each solution was executed 10 times
 - Best and worst runtime was excluded
 - Average runtime was calculated afterwards
- Fastest solution wins the competition

Results

Group	Avg	Min	Max	Rank	Points
DominateWunderWiesel	16.80	15.80	17.60	1	5
DoppelW	34.10	32.50	35.40	4	1
FindingMovies	211.00	208.80	213.50	13	
Google	77.40	75.80	79.10	10	
GroupNo1	89.80	86.80	91.60	11	
KSMR	32.80	31.80	34.40	3	2
KnockKnock	314.20	306.60	319.40	14	
Lejunds	45.90	44.00	47.50	8	
Lilaloi	44.80	42.60	47.50	7	
Lovelace	54.40	52.90	57.00	9	
Nebula	21.20	19.90	22.30	2	3
PonyUndKleid	42.30	40.60	43.50	5	1
Valeria	118.90	114.90	124.80	12	
WirSindGroot	44.50	42.80	48.20	6	

Questions?