S5 Appendix: Sentiment analysis results

Base sets

Denmark

Sample size: 94,908 tweets

Sample size after cleaning: 94,288

Average positive score: 0.603 (sd=0.796)

Average negative score: -0.805 (sd=0.829)

				Pos		
Neg	F	0	1	2	3	4
0		25,20%	10,41%	5,03%	0,83%	0,04%
-1		22,16%	12,37%	5,25%	0,91%	0,03%
-2		7,47%	4,19%	1,77%	0,33%	0,01%
-3		1,99%	1,10%	0,52%	0,13%	0,00%
-4		0,13%	0,08%	0,04%	0,01%	

Figure A-0: Denmark, base set

Germany

Sample size: 100,000

Sample size after cleaning: 98,888

Avg. positive score: 0.385 (sd=0.649)

Avg. negative score: -0.604 (sd=0.939)

		Pos							
Neg	F	0	1	2	3	4			
0		46,91%	13,63%	4,92%	0,29%	0,00%			
-1		9,32%	3,35%	1,16%	0,07%	0,00%			
-2		10,12%	3,39%	1,19%	0,07%				
-3		3,75%	1,18%	0,40%	0,07%	0,00%			
-4		0,12%	0,04%	0,02%	0,00%	0,00%			

Figure B-0: Germany, base set

Sample size: 100,000

Sample size after cleaning: 99,161

Avg. pos. score: 0.424 (sd=0.722)

Avg. neg. score: -0.820 (sd=0.971)

				Pos		
Neg	F	0	1	2	3	4
0		35,95%	8,05%	4,51%	0,50%	0,01%
-1		19,28%	5,70%	3,09%	0,34%	0,01%
-2		9,71%	2,90%	1,69%	0,19%	0,01%
-3		5,09%	1,54%	0,93%	0,12%	0,00%
-4		0,23%	0,09%	0,04%	0,01%	0,00%

Figure C-0: The Netherlands, base set

Sweden

Sample size: 100,000 tweets

Sample size after cleaning: 99,197

Average positive score: 0.505 (sd=0.688)

Average negative score: -0.933 (sd=0.851)

				Pos		
Neg	F	0	1	2	3	4
0		22,30%	9,30%	2,35%	0,26%	0,01%
-1		25,18%	14,19%	3,62%	0,37%	0,02%
-2		9,85%	5,97%	1,71%	0,18%	0,00%
-3		2,16%	1,50%	0,50%	0,06%	0,01%
-4		0,22%	0,13%	0,10%	0,01%	

Figure D-0: Sweden, base set

Phase 1 (first case – March 10)

Denmark

Sample size: 321

Sample size after cleaning: 318

Avg. pos. score: 0.513 (sd=0.764)

Avg. neg. score: -0.997 (sd=0.811)

		100						
Neg	F	0	1	2	3			
0		19,18%	6,60%	1,57%	0,63%			
-1		29,87%	12,89%	5,35%	1,26%			
-2		10,69%	3,77%	2,83%	0,31%			
-3		3,46%	1,26%	0,31%				

Figure A1: Denmark, Phase 1

Germany

Sample size: 6125

Sample size after cleaning: 6061

Avg. pos. score: 0.347 (sd=0.622)

Avg. neg. score: -0.637 (sd=0.961)

		Pos							
Neg	=	0	1	2	3				
0		48,80%	12,04%	4,41%	0,23%				
-1		7,33%	2,38%	0,89%	0,07%				
-2		12,80%	4,41%	1,45%	0,02%				
-3		3,91%	0,87%	0,25%	0,02%				
-4		0,10%		0,03%					

Figure B1: Germany, Phase 1

Sample size: 3347

Sample size after cleaning: 3322

Avg. pos. score: 0.450 (sd=0.740)

Avg. neg. score: -0.879 (sd=0.947)

				Pos		
Neg	F	0	1	2	3	4
0		31,37%	7,62%	5,36%	0,27%	0,03%
-1		20,23%	5,60%	3,40%	0,36%	0,03%
-2		12,70%	3,94%	2,35%	0,15%	
-3		4,49%	1,02%	0,72%	0,15%	
-4		0,12%	0,06%	0,03%		

Figure C1: The Netherlands, Phase 1

Sweden

Sample size: 591 tweets

Sample size after cleaning: 586

Average positive score: 0.515 (sd=0.701)

Average negative score: -1.003 (sd=0.784)

				Pos		
Neg	=	0	1	2	3	4
0		14,16%	8,70%	2,22%	0,17%	
-1		32,08%	17,92%	3,58%	0,51%	0,17%
-2		9,73%	3,58%	2,05%	0,17%	
-3		3,07%	1,54%		0,17%	
-4				0,17%		

Figure D1: Sweden, Phase 1

Phase 2 (March 11 – March 25)

Denmark

Defilliark		Pos					
Sample size: 2,492	Neg	₽	0	1	2	3	4
5dp.c 5ize. 2, 152	0		19,14%	9,93%	3,90%	0,68%	0,08%
6 1 6 1 2 407	-1		22,60%	15,32%	5,79%	1,13%	0,08%
Sample size after cleaning: 2,487	-2		9,33%	5,71%	2,53%	0,16%	0,04%
	-3		1,57%	1,09%	0,52%	0,16%	
Avg. pos. score: 0.650 (sd=0.797)	-4		0,04%	0,12%	0,08%		

Figure A2: Denmark, Phase 2

Avg. neg. score: -0.914 (sd=0.814)

Germany

Sample size: 26,390

Sample size after cleaning: 26,205

Avg. pos. score: 0.375 (sd=0.651)

Avg. neg. score: -0.506 (sd=0.864)

				Pos		
Neg	=	0	1	2	3	4
0		51,13%	13,81%	5,45%	0,30%	
-1		8,11%	2,40%	0,97%	0,09%	0,00%
-2		9,93%	3,01%	1,34%	0,06%	0,00%
-3		2,23%	0,76%	0,28%	0,02%	
-4		0,08%	0,01%	0,01%		

Figure B2: Germany, Phase 2

Sample size: 25,950

Sample size after cleaning: 25,811

Avg. pos. score: 0.524 (sd=0.780)

Avg. neg. score: -0.874 (sd=0.958)

				Pos		
Neg	F	0	1	2	3	4
0		29,84%	8,85%	6,23%	0,68%	0,00%
-1		17,86%	6,55%	3,69%	0,41%	0,02%
-2		11,80%	4,37%	2,51%	0,34%	0,00%
-3		4,23%	1,47%	0,80%	0,09%	
-4		0,18%	0,05%	0,03%	0,00%	

Figure C2: The Netherlands, Phase 2

Sweden

Sample size: 2667 tweets

Sample size after cleaning: 2658

Average positive score: 0.552 (sd=0.712)

Average negative score: -0.964

(sd=0.820)

				Pos		
Neg	F	0	1	2	3	4
0		18,17%	9,56%	2,48%	0,26%	
-1		26,22%	15,69%	4,74%	0,45%	0,04%
-2		9,74%	6,43%	1,92%	0,26%	
-3		2,22%	0,87%	0,38%	0,08%	
-4		0,26%	0,15%	0,08%		

Figure D2: Sweden, Phase 2

One month after

Denmark

Sample size: 1,010

Sample size after cleaning: 1,005

Avg. pos. score: 0.618 (sd=0.782)

Avg. neg. score: -0.905 (sd=0.829)

Neg	F	0	1	2	3	4
0		19,50%	8,96%	5,47%	0,60%	0,10%
-1		23,88%	15,22%	5,07%	0,70%	
-2		9,35%	4,38%	2,09%	0,20%	
-3		2,29%	1,19%	0,70%	0,10%	
-4		0,10%		0,10%		

Figure A3: Denmark, Phase 3

Germany

Sample size: 13,716

Sample size after cleaning: 13,623

Avg. pos. score: 0.343 (sd=0.621)

Avg. neg. score: -0.542 (sd=0.882)

				Pos		
Neg	F	0	1	2	3	4
0		50,79%	12,93%	4,45%	0,24%	0,03%
-1		8,89%	2,66%	0,97%	0,06%	0,01%
-2		11,31%	3,09%	1,01%	0,05%	
-3		2,33%	0,76%	0,26%	0,01%	
-4		0,04%	0,01%	0,10%		

Figure B3: Germany, Phase 3

Sample size: 9,456

Sample size after cleaning: 9,396

Avg. pos. score: 0.535 (sd=0.794)

Avg. neg. score: -1.022 (sd=1.007)

				Pos		
Neg	F	0	1	2	3	4
0		25,64%	7,87%	5,41%	0,60%	
-1		17,78%	6,44%	3,54%	0,66%	0,01%
-2		14,29%	4,87%	3,27%	0,39%	0,02%
-3		5,59%	1,92%	1,10%	0,15%	0,01%
-4		0,30%	0,07%	0,04%	0,03%	

Figure C3: The Netherlands, Phase 3

Sweden

Sample size: 1138 tweets

Sample size after cleaning: 1134

Average positive score: 0.599 (sd=0.756)

Average negative score: -1.047 (sd=0.799)

				Pos		
Neg	₣	0	1	2	3	4
0		13,93%	7,58%	2,29%	0,71%	0,09%
-1		27,78%	18,08%	4,14%	0,97%	
-2		9,79%	7,23%	2,20%	0,62%	
-3		2,47%	1,50%	0,26%	0,09%	
-4		0,09%	0,18%			

Figure D3: Sweden, Phase 3