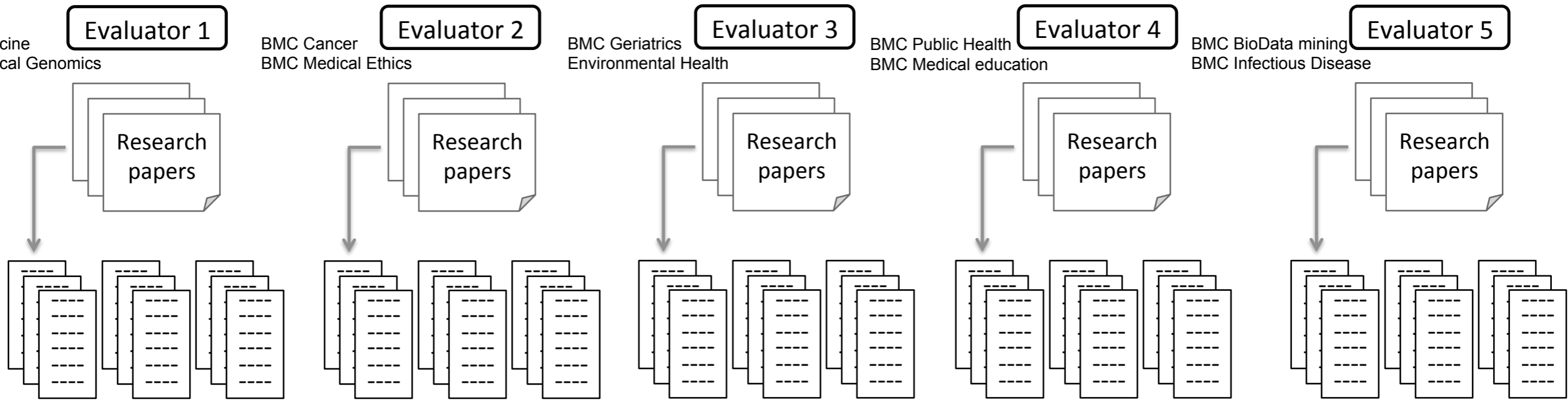


Supplementary figure 1: Schematic of the data collection process.

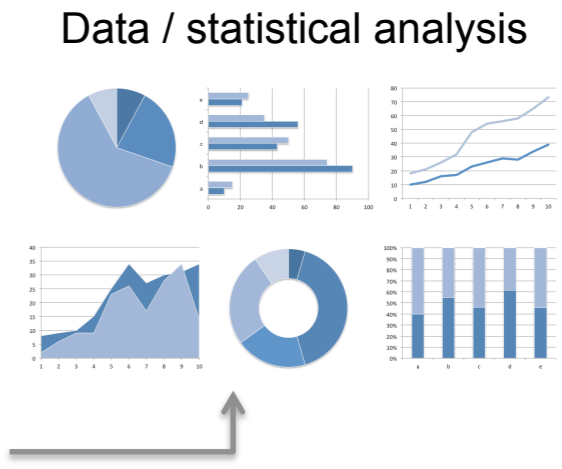
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* Score from 1 to 5

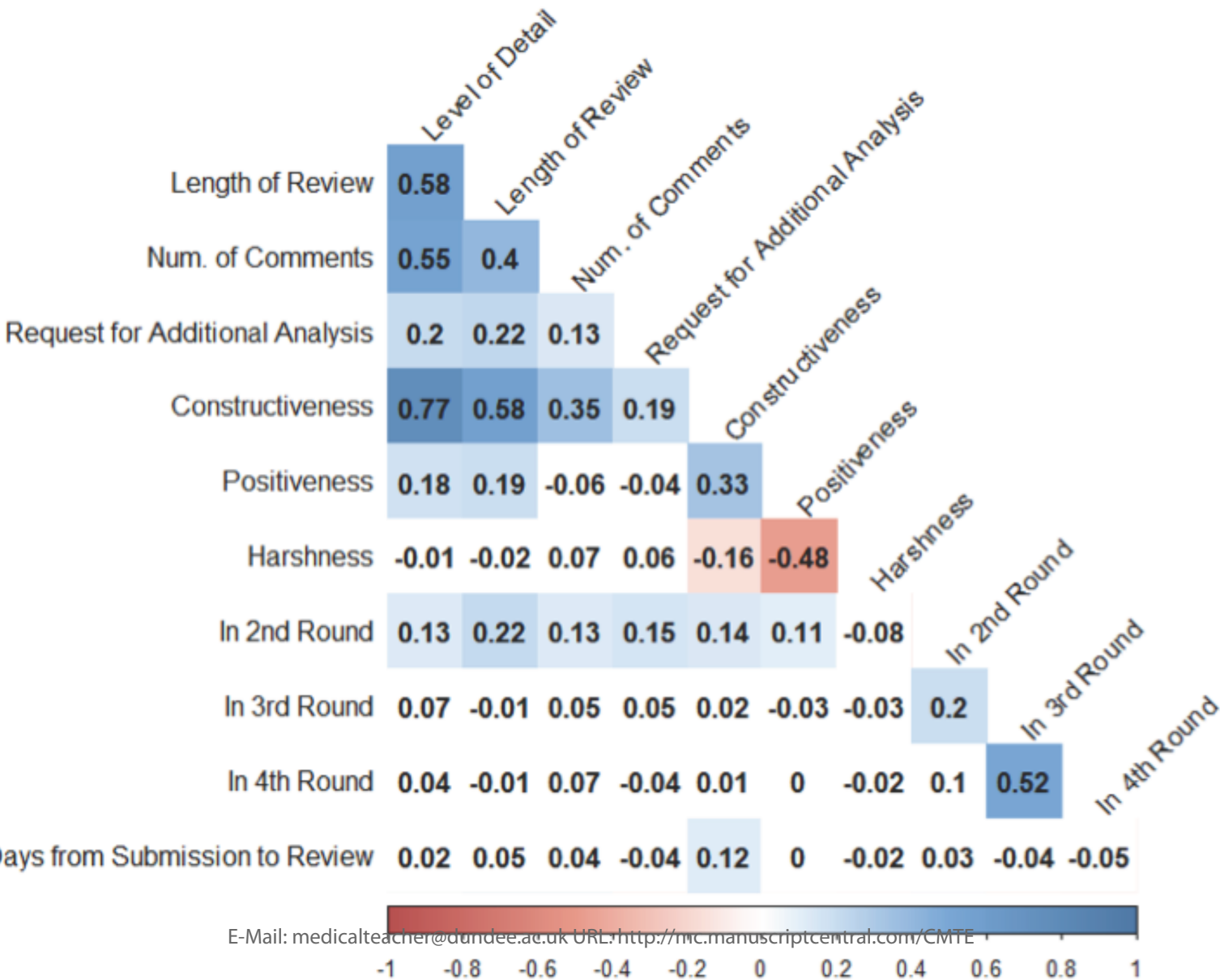
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Level of detail				
Length of review				
No. of comments				
Constructiveness				
Positiveness				
Harshness / meanness				
Request for additional analysis				

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Squares with significant p-values (< 0.01) are colored in blue or red accordingly to the correlation value (red if negative, blue if positive), Squares indicating correlations with p-value > 0.01 are white.

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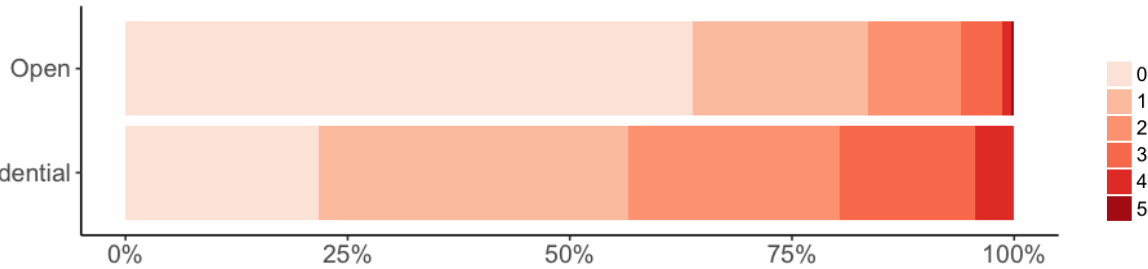
Estimates produced by the regression analysis

	<i>Estimate</i>	<i>Std.Error</i>	<i>t value</i>	<i>Pr(> t)</i>
	Harshness			
Winter	0.26425	0.08969	2.946	0.00334
Spring	0.11622	0.07355	1.58	0.115
Summer	-0.14819	0.07043	-2.104	0.0358
Fall	-0.10525	0.06786	-1.551	0.121
	Positiveness			
Winter	-0.255	0.1166	-2.186	0.0292
Spring	-0.22915	0.12249	-1.871	0.0619
Summer	0.26995	0.1173	2.301	0.0217
Fall	0.18412	0.11309	1.628	0.104

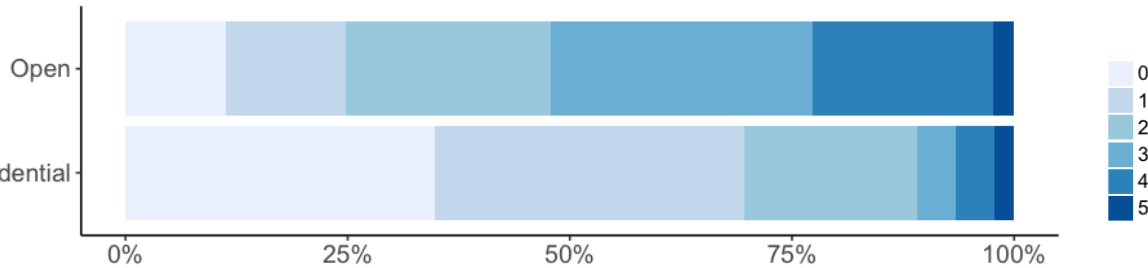
Supplementary figure 4: A comparison of sentiment in reviewers' reports from open and confidential peer review

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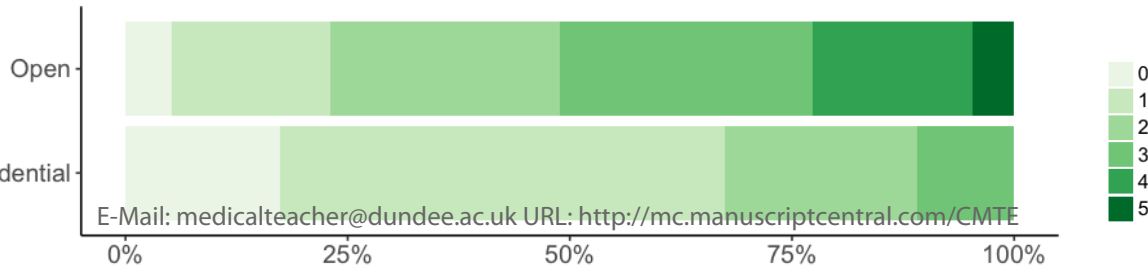
Harshness



Positiveness



Constructiveness



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