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Correction to: Network cartography of university students' knowledge landscapes about the history of science: landmarks and thematic communities



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The original article can be found online at https://doi.org/10.1007/s41109-019-0113-8

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Following the publication of the original article (Lommi and Koponen 2019), multiple errors were identified in the Results section, and Tables 1 and 2.

The correct data and tables are given below, and the changes have been highlighted in **bold typeface**.

Results - Heavy tails:

All these values are quite similar in all the networks, with values in the ranges of 0.15 < CC < 0.24, 0.07 < CL < 0.10, 0.66 < Q < 0.84and -0.12 < A < -0.07

Table 1 Summary of symbols and abbreviations used recurrently in the text and figures

Symbol/Abbre	eviation	Symbol/Abb	Symbol/Abbreviation		
A	Adjacency matrix	D	Degree centrality		
$[\mathbf{A}]_{ij}$	Element ij of matrix ${\bf A}$	К	Katz centrality		
а	Damping factor	Е	Katz efficiency		
Ζ	Z-scores	Q	Modularity		
N	Number of nodes	Α	Assortativity		
М	Number of links	C_L	Local Clustering		
γ	Inverse power	C_C	Closeness centrality		
σ	Width of lognormal distr.	Φ	Fragility		



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Table 2 Characteristics of networks g_X corresponding to distinct periods X = i,...,Vi and G_X of aggregated periods X = i,...,Vi

Netw.	Sizes		Fitted parameters		Correlations		Global invariants				Fragility
	N	М	γ	σ	R_2	τ_B	C_C	C_L	Q	Α	Φ
g _i	239	356	1.0 ± 0.3	1.23 ± 0.07	0.90	0.51	0.24	0.10	0.66	-0.09	0.04
gii	311	392	1.5 ± 0.4	1.17 ± 0.07	0.74	0.45	0.18	0.08	0.80	-0.10	0.10
giii	326	424	1.5 ± 0.2	1.13 ± 0.07	0.75	0.34	0.16	0.09	0.80	-0.09	0.18
giv	158	190	0.9 ± 0.6	1.13 ± 0.07	0.77	0.57	0.18	0.07	0.78	-0.12	0.17
gv	208	254	1.6 ± 0.3	1.13 ± 0.07	0.77	0.51	0.16	0.07	0.79	-0.12	0.14
gvi	308	375	0.7 ± 0.3	1.16 ± 0.07	0.77	0.44	0.19	0.08	0.80	-0.11	0.20
G_{l}	826	1212	1.7 ± 0.2	1.27 ± 0.05	0.71	0.51	0.18	0.09	0.78	-0.06	0.03
G_{II}	858	1149	2.0 ± 0.2	1.26 ± 0.04	0.75	0.42	0.16	0.09	0.83	-0.08	0.03
GIII	796	1053	2.3 ± 0.2	1.26 ± 0.03	0.69	0.46	0.15	0.08	0.84	-0.08	0.07
GIV	757	992	1.6 ± 0.2	1.27 ± 0.05	0.76	0.48	0.17	0.07	0.83	-0.09	0.16
GTOT	1613	2306	2.1 ± 0.1	1.60 ± 0.04	0.62	0.53	0.16	0.08	0.83	-0.07	0.03

Power γ is for fitted inverse power law distributions fitted to degree (*D*) centrality distributions. The (logarithmic) width σ is for lognormal distributions fitted to Katz (*K*) centrality distributions. The relative errors of fits are estimated from the standard deviation of residuals. The correlations between values *D* and *K* are for Pearson (R^2) and Kendall- τ_B ranking (τ_B) correlations. The summarised global invariants are average values of Closeness centrality (C_C), Local Clustering coefficient (C_C), Modularity (Q) and Assortativity (A). For each network, the number of nodes *N* and links *M* are provided, as well as the fragility Φ

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