

LDA2Net: Digging under the surface of COVID-19 topics in literature

Topic 48 companion sheet

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This file contains the following supplementary information for Topic 48 of the manuscript “*LDA2Net*: Digging under the surface of COVID-19 topics in scientific literature”:

- Human label and automatic n-gram label proposals (Table 1)
- Summary measures (Table 2)
- Network of top 25 bigrams (Figure 1)
- Wordclouds of top 25 words by node relevance measure (Figure 2)
- Wordclouds of top 25 bigrams by edge relevance measure (Figure 3)
- Filtered (0.99 percentile) topic network (Figure 4)

Table 1: Human and automatic label proposals. Automatic label candidate for largest word community of the topic. In parenthesis: absolute frequency of the walk out of a sample of size 1000.

Human label	2-gram label	3-gram label	4-gram label
community	community->engagement (7.5%)	community->engagement->development (5.7%)	sustainable->strategies->partnerships->key (1.9%)

Here follows the set of topic-specific measures that have been used to classify the topic and to analyse its structural properties (see manuscript for details):

Table 2: Summary measures

	JSD	Mean propensity	Variance propensity	Modularity	Barrat Clustering Coeff.
value	0.599131	0.009420	0.000406	0.000000	0.516145
rank	34	107	77	28	8

Based on the aforementioned measures, Topic 48 has been classified as a SPECIALIZED topic.

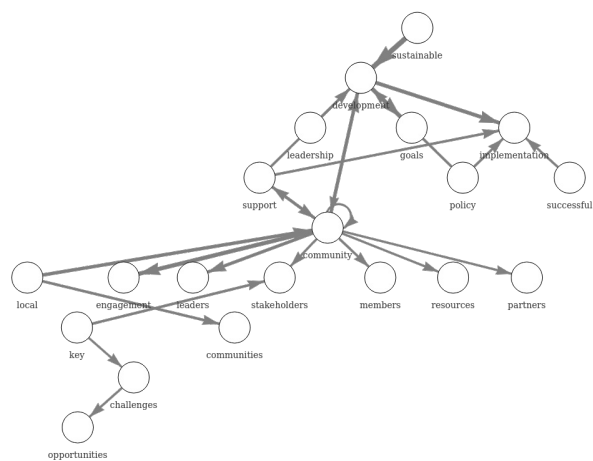


Figure 1: Network of top 25 bigrams (i.e., edges) by weight.



3



Figure 3: Top 25 bigrams (i.e., edges) by measure.

