Structure of the coding system in MAXQDA

List of codes	Frequency
Code system	257
General statements on the trend radar	6
Theory-supporting	29
Contradictory to theory	30
Planning and Direction phase	0
Theory-supporting	0
General statements	10
Manual	18
Cyber security	0
Manual	0
Health	0
Manual	0
Security	0
Manual	0
Contradictory to theory	0
General statements	1
Manual	0
Cyber security	0
Manual	0
Health	0
Manual	0
Security	0
Manual	0
Collection phase	0
Theory-supporting	0
General statements	23
Manual	1
Web crawler and/or web scraper	2
Other open source tools	1
Web application	0
Cyber security	1

Manual	1
Web crawler and/or web scraper	0
Other open source tools	0
Web application	0
Health	1
Manual	1
Web crawler and/or web scraper	0
Other open source tools	0
Security	1
Manual	1
Web crawler and/or web scraper	0
Other open source tools	1
Journalism, competitive analysis, general approach	0
Manual	1
Web crawler and/or web scraper	0
Contradictory to theory	0
General statements	10
Manual	0
Web crawler and/or web scraper	3
Other open source tools	0
Web application	0
Cyber security	1
Manual	0
Web crawler and/or web scraper	0
Other open source tools	0
Web application	0
Health	0
Manual	0
Web crawler and/or web scraper	0
Other open source tools	0
Security	1
Manual	0
Web crawler and/or web scraper	0
Other open source tools	0
Journalism, competitive analysis, general approach	1

Manual	0
Web crawler and/or web scraper	0
Processing and Exploitation phase	0
Theory-supporting	0
General statements	10
Manual	2
Keyword/dictionary/hashtag filter	2
Standardized methods/algorithms/tools	1
Statistical methods	0
Natural Language Processing filters and labeling methods/tools	0
Deep Learning	0
Cyber security	5
Manual	0
Keyword/dictionary/hashtag filter	0
Standardized methods/algorithms/tools	0
Statistical methods	0
Natural Language Processing filters and labeling methods/tools	0
Deep Learning	0
Health	0
Manual	0
Keyword/dictionary/hashtag filter	0
Standardized methods/algorithms/tools	0
Security	0
Manual	2
Keyword/dictionary/hashtag filter	0
Standardized methods/algorithms/tools	2
Statistical methods	1
Deep Learning	2
Journalism, competitive analysis, general approach	0
Manual	0
Standardized methods/algorithms/tools	0
Natural Language Processing filters and labeling methods/tools	0
Contradictory to theory	0

Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Cyber security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Setatistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/dools Analysis and Production phase Theory-supporting General statements		
Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Cyber security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	General statements	1
Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Cyber security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/dools Analysis and Production phase Theory-supporting General statements	Manual	11
Statistical methods Natural Language methods/tools Deep Learning Cyber security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Keyword/dictionary/hashtag filter	0
Natural Language Processing filters and labeling methods/tools Deep Learning Cyber security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Setatistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Standardized methods/algorithms/tools	0
methods/tools Deep Learning Cyber security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Statistical methods	0
Cyber security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Seturity Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements		0
Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Standardized methods/algorithms/tools Standardized methods/algorithms/tools Standardized methods/algorithms/tools Standardized methods/algorithms/tools Analysis and Production phase Theory-supporting General statements 1	Deep Learning	0
Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Cyber security	1
Standardized methods/algorithms/tools Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Manual	0
Statistical methods Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Analysis and Production phase Theory-supporting General statements 1	Keyword/dictionary/hashtag filter	0
Natural Language Processing filters and labeling methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Standardized methods/algorithms/tools	0
methods/tools Deep Learning Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Statistical methods	0
Health Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements		0
Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Deep Learning	0
Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Health	0
Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Manual	0
Standardized methods/algorithms/tools Security Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Keyword/dictionary/hashtag filter	0
Manual Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements		0
Keyword/dictionary/hashtag filter Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements	Security	0
Standardized methods/algorithms/tools Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1	Manual	0
Statistical methods Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1	Keyword/dictionary/hashtag filter	0
Deep Learning Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1	Standardized methods/algorithms/tools	0
Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1		0
Journalism, competitive analysis, general approach Manual Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1	Deep Learning	1
Standardized methods/algorithms/tools Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1		0
Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1	Manual	0
Natural Language Processing filters and labeling methods/tools Analysis and Production phase Theory-supporting General statements 1	Standardized methods/algorithms/tools	0
Analysis and Production phase Theory-supporting General statements 1	Natural Language Processing filters and labeling	0
Theory-supporting General statements 1	Analysis and Production phase	0
General statements 1		5
		11
MANA		5
Standardized methods/algorithms/tools		0

Statistical methods	0
Tool stack	3
Deep Learning	1
Machine Learning	0
Artificial Intelligence	8
Cyber security	3
Manual	0
Standardized methods/algorithms/tools	0
Tool stack	0
Deep Learning	0
Machine Learning	0
Artificial Intelligence	0
Health	1
Manual	0
Statistical methods	0
Machine Learning	0
Security	4
Standardized methods/algorithms/tools	1
Statistical methods	2
Deep Learning	0
Machine Learning	0
Journalism, competitive analysis, general approach	0
Manual	0
Deep Learning	0
Machine Learning	0
Contradictory to theory	3
General statements	5
Manual	0
Standardized methods/algorithms/tools	0
Statistical methods	0
Tool stack	0
Deep Learning	0
Machine Learning	0
Artificial Intelligence	0
Cyber security	0

Manual	0
Standardized methods/algorithms/tools	0
Tool stack	0
Deep Learning	0
Machine Learning	0
Artificial Intelligence	0
Health	0
Manual	0
Statistical methods	0
Machine Learning	0
Security	2
Standardized methods/algorithms/tools	0
Statistical methods	0
Deep Learning	1
Machine Learning	0
Journalism, competitive analysis, general approach	0
Manual	0
Deep Learning	0
Machine Learning	0
Dissemination and Integration phase	0
Theory-supporting	1
General statements	7
Files/reports	5
Dashboard/visualization map	2
Web interface/web application/online platform	2
Automated alerts	0
Graph creation	1
Cyber security	1
Files/reports	0
Dashboard/visualization map	1
Web interface/web application/online platform	0
Automated alerts	0
Graph creation	0
Health	0
Web interface/web application/online platform	0

Security	0
Dashboard/visualization map	0
Competitive analysis, general approach	0
Dashboard/visualization map	0
Web interface/web application/online platform	0
Contradictory to theory	0
General statements	4
Files/reports	0
Dashboard/visualization map	0
Web interface/web application/online platform	0
Automated alerts	0
Graph creation	0
Cyber security	0
Files/reports	0
Dashboard/visualization map	0
Web interface/web application/online platform	0
Automated alerts	0
Graph creation	0
Health	0
Web interface/web application/online platform	0
Security	0
Dashboard/visualization map	0
Competitive analysis, general approach	0
Dashboard/visualization map	0
Web interface/web application/online platform	0