

Count of News Articles	Count of Social Networks	Count of Darknet marketplaces	Count of Darknet websites	Count of Underground Forums	Count of Security Reports	Count of Public security repositories (CVEs, exploit DBs, etc.)	Count of CTI Feeds	Total
5	13	3	3	9	5	5	3	46
11%	28%	7%	7%	20%	11%	11%	7%	

Data Sources	Percentage
News Articles	11%
Social Networks	28%
Darknet marketplaces	7%
Darknet websites	7%
Underground Forums	20%
Security Reports	11%
Public security repositories (CVEs, exploit DBs, etc.)	11%
CTI feeds	7%
Total	100%

Row Labels	Any reason for the selection of THIS data source?
No	33%
Yes	67%
Grand Total	100%

Row Labels	Consider any alternative data source?
No	74%
Yes	26%
Grand Total	100%

Input Data Type	Count of Unstructured	Count of Semi-structured	Count of Structured (e.g. STIX)
	26	11	
	70%	30%	

Count of Named Entities	Count of Sentiment Analysis	Count of Text Classification	Count of Summarization	Count of Topic Modeling	Count of Keyword Extraction
4	9	16	5	10	8
8%	17%	31%	10%	19%	15%

52
100%

NLP Approach	%
NER	8%
Sentiment Analysis	17%
Text Classification	31%
Summarization	10%
Topic Modeling	19%
Keyword Extraction	15%

Output	Count of Type of CTI
Operational	19%
Strategic	11%
Technical/Tactical	70%
Grand Total	100.00%

Count of unstructured CTI	Count of structured CTI (STIX)	Count of semi-structured CTI
23	3	4
77%	10%	13%

CTI Format	
Unstructured CTI	77%
Structured CTI (STIX)	10%
Semi-structured CTI	13%

30