Data Forensics with Analytics
Checking veracity of facts in Qatar

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Data forensics with Analytics, or DAFNA for short, is an ambitious project of the data analytics group of Qatar Computing Research Institute. It main goal is to provide an end-to-end pipeline data integration and analysis system whose the core will be an efficient and effective truth discovery approach in order to have the ability to figure out the veracity level of redundant information from multiple untrustworthy sources they consume. One concrete targeted application of this project is to build an end-to-end truth discovery systems that provides reliable information about facts in Qatar, given some extraction and integration phases. This is challenging and asks for facing diverses research topics related to efficient fact extraction, efficient truth finding strategies, and how truth finders could be coupled with real existing systems.

We will present our ongoing study on extensively comparing twelve existing truth discovery algorithms, releasing the first API that will enable user applications to transparently access to the truth finders, and finally integrating truth finding in the process of quality information retrieval based on Web extraction systems.

Comparative evaluation

First API for Truth Finders

Coupling with Web extractors