

AllegatorTrack

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Background

Web is major information source. Everne prefers to use web services to find out information about anything nowa-days. But question arises here, is information available on web trustworthy and accurate? Different survey proves that answer is "Not always". Becuase different websites provide conflicting information about same object. How to solve this problem?

Algorithms

To solve this issue different researchers introduce large number of truth discovery algorithms. They used different parameters based on sources, claims and objects. Where

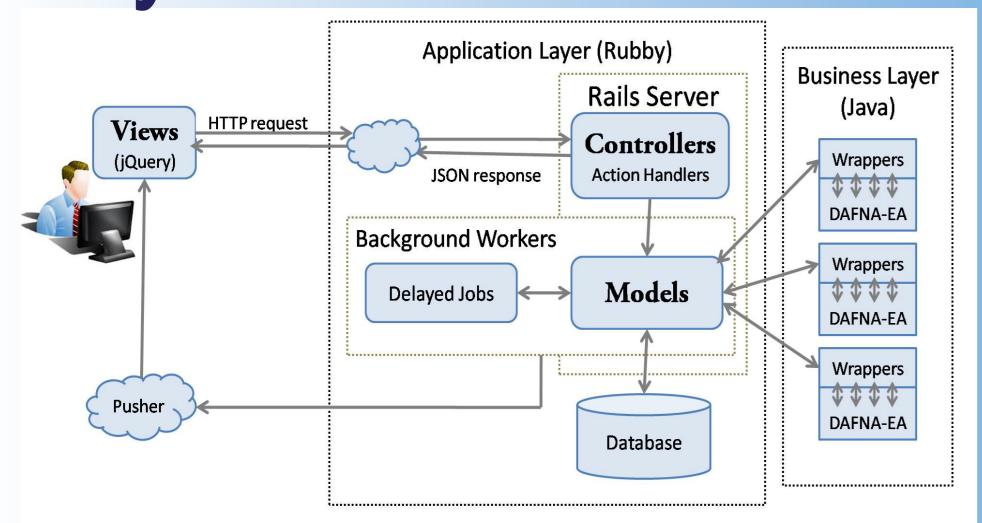
Source is from where information is collected Claim is the information provided about the subject Object is about which information has been provided

AllegatorTrack

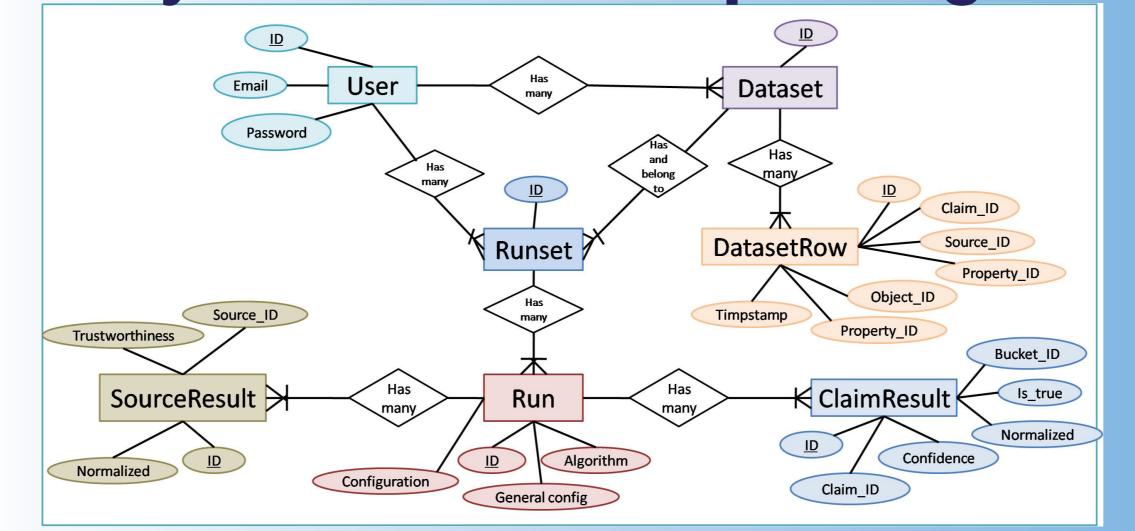
is the platform where user can compare truthworthiness of sources and confidences of value. Where Truthworthiness is the confidence that indicate how much source is relaible Confidence is the probability of claim for being correct.

In AllegatorTrack, 12 algorithms are combined at one platform, to compare their truthworthiness and confidence. It is completely based on exerimental study of DAFNA (Data Forensics with Analytics) project.

System Architecture



Entity-Relationship Diagram



A1Books 0.3579

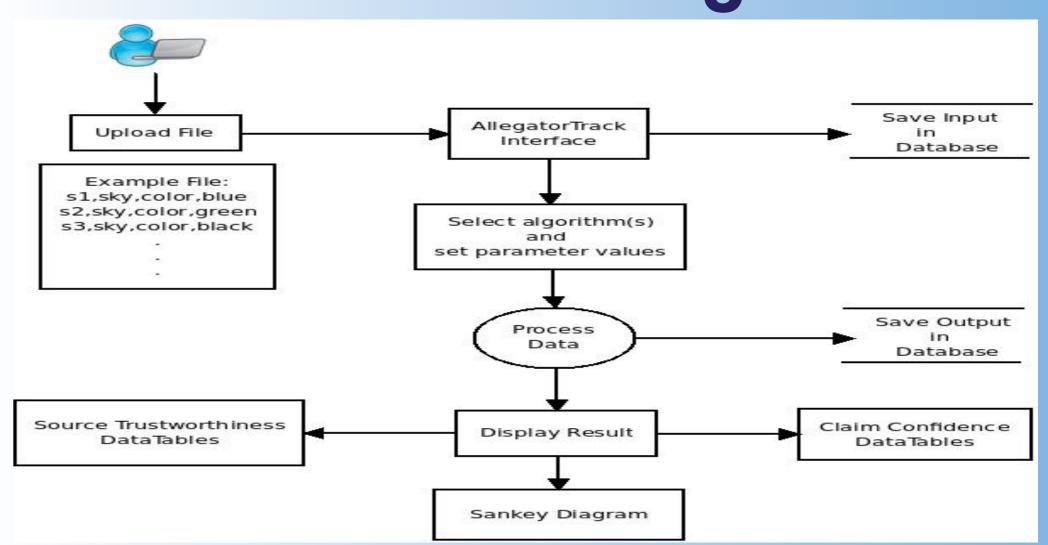
AHA-BUCH 0.4744

AlphaCraz... 0.4825

AshleyJoh... 0.4825

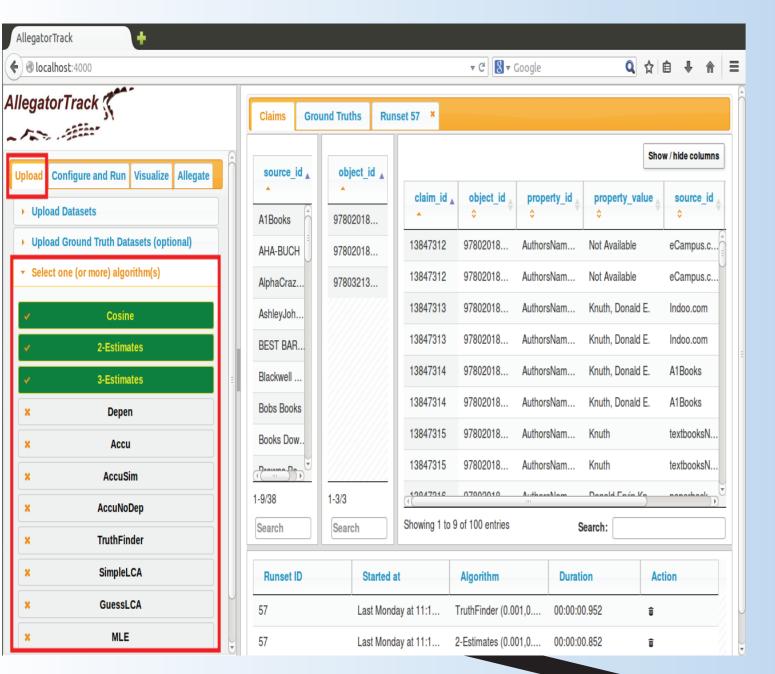
BEST BAR... 0.481

DataFlow Diagram



AllegatorTrack Platfrom

Input Data



User will upload datasets and ground datasets (optonal). He will select one or more algorithms from algorithm list.

AllegatorTrack 🤻 Claims Ground Truths Runset 57

parameters. Click the start button that will display all the runs in runtable.

After that, he will set the

values for general configura-

tion and selected algorithm

Q ☆ 自 ♣ ⋒ ≡ Convergence test threshold **6** 0.001 Initial sources START!

Last Monda... TruthFinder (0... 00:00:00.952

Output Display in form of

Q ☆ 自 ↓ ⋒ ≡

Q ☆ 自 ↓ ⋒ ≡ AllegatorTrack (Claims Ground Truths Runset 57 Export Sources - Export Claims Upload | Configure and Run | Visualize | Allegate 2-Estimates (0.001,0.8,1,0.4; 0.5) 13847313 97802018... AuthorsNam... Knuth

13847328 97802018... AuthorsNam... Donald E. Knuth ... Books Dow

Showing 116 to 123 of 792 entries

Datatables

Datatables are used as they can display infinite number of data. Also user will be able to search one specific data and sort according to his choice.

Visualize

Dispay result in form of

Sankey Diagram Sankey visualize the magnitude of flow between nodes in network. This diagram shows true and false values provided by each source.

Tools Used:

