Human Behavior Modeling Using Text Analytics

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(Joint work with IBM Research)

Who are they?

***Bradley Manning**, a despondent and disillusioned army intelligence officer who experienced a series of emotional upheavals, including the breakup of a personal relationship, and whose disgruntled and inappropriate workplace behavior led to his demotion before he allegedly leaked hundreds of thousands of U.S. Department of Defense and Department of State diplomatic cables*

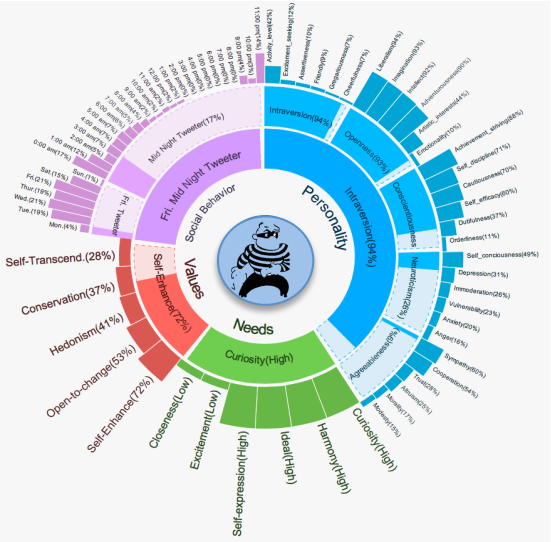
- ***We need to know their intrinsic traits to understand who they are.***
- ***We need to identify potential stressors that may trigger an attack.***
- ***We need to identify early behavior problems which can be the precursors to future attacks.***

Text Analytics

Applying text mining and psycholinguistic analysis to examine the digital footprints left by an individual including

- Emails
- Chats
- Text messages
- Social media posts
- Search queries
- Forum discussions
- …

Our Expertise



Using text analytics to detect

- **Intrinsic traits** including personality, personal values, individual needs, emotional style and political views
- **Stressors/triggers** including job termination, relationship problems and financial problems
- **Early behavior troubles** including drug/alcohol abuse and violence

Contact

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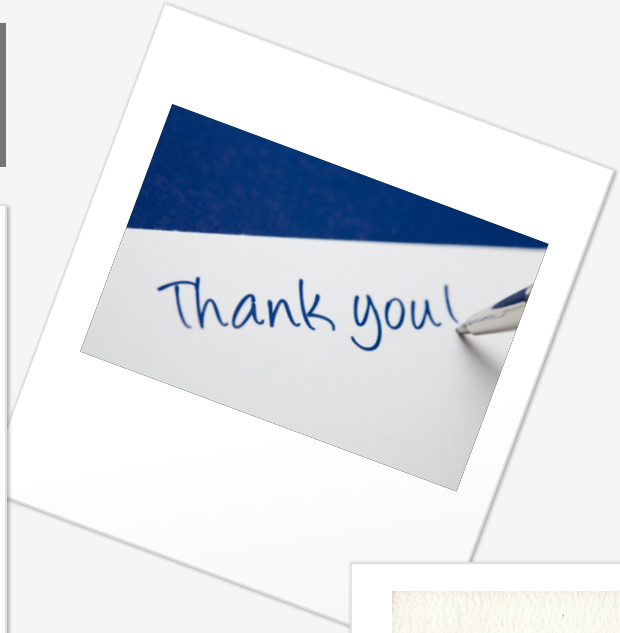

For more information:
http://nlp-lab.umbc.edu/home/shimei/