Detecting Fake Health News

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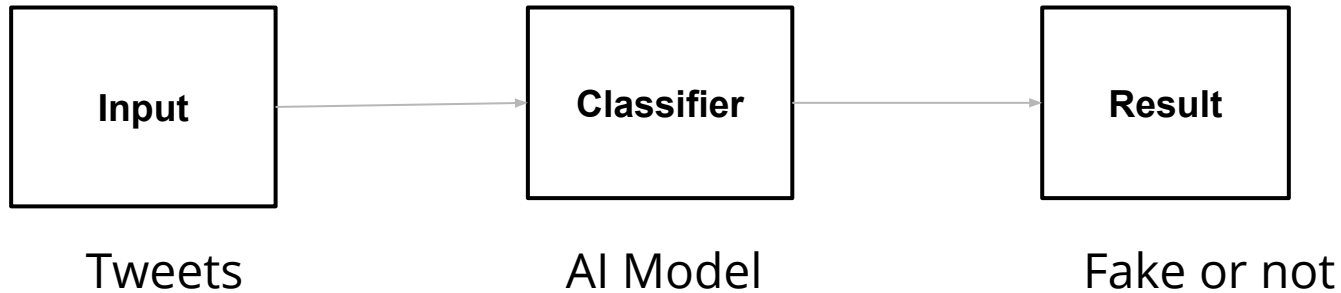
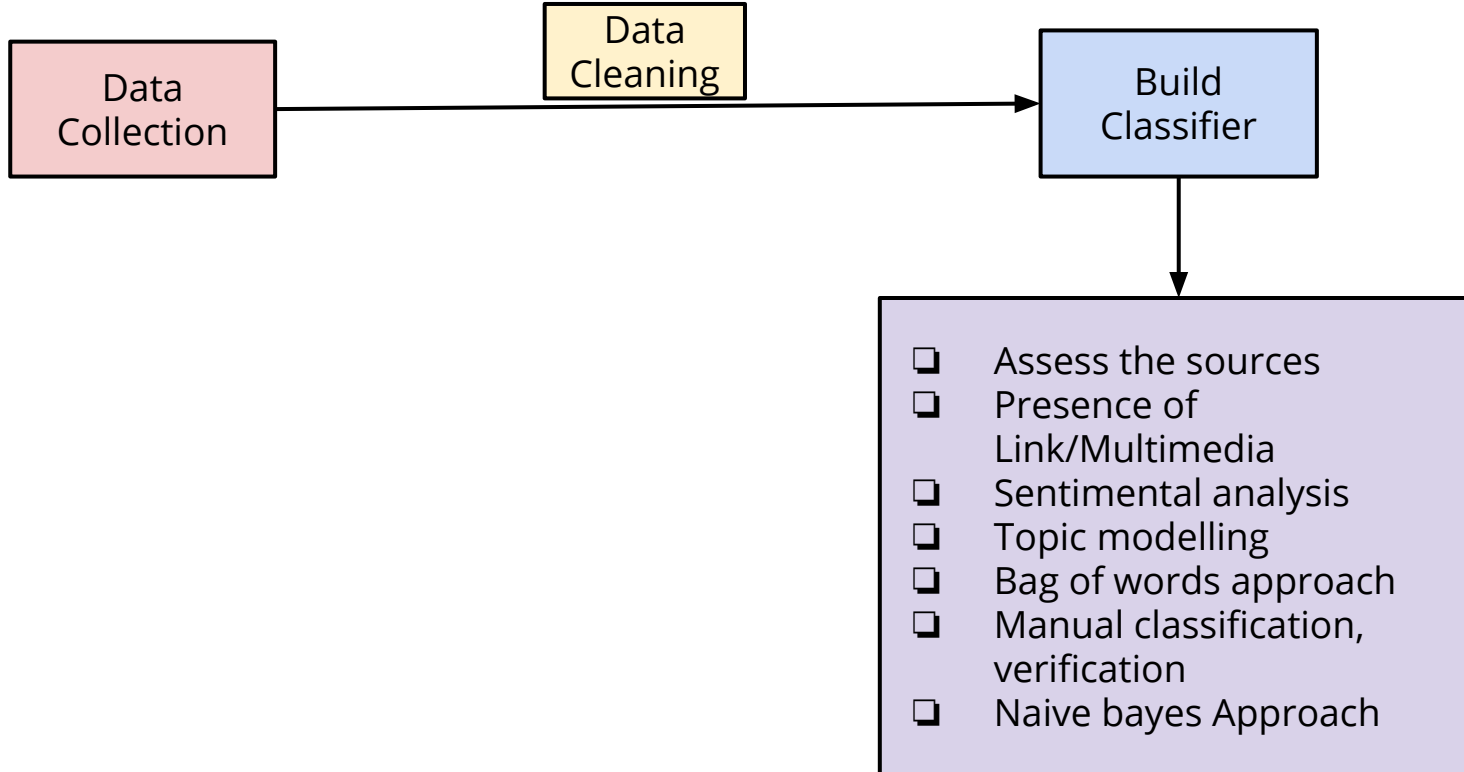# Issue

➔ False news reaches more people than the truth

➔ Motivations of its creators vary, but fake medical news can earn clicks and "likes," which can translate to ad revenue, or further become an agenda for large-scale investments

➔ False information can also drive the sale of expensive, unproven treatments

➔ Unproven remedies may be harmful, waste money and sometimes, using these remedies keeps people from getting the medical treatment they need

Project Scope

- Detect Fake tweet using Machine Learning
- Will be limiting our topic to 'vaccines' for the scope of this project

Input	Classifier	Result

Tweets   AI Model   Fake or not

Method

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┌──────────────┐        Data              ┌──────────────┐
│    Data      │       Cleaning           │    Build     │
│  Collection  │ ───────────────────────▶ │  Classifier  │
└──────────────┘                          └──────────────┘
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- ❏ Assess the sources
- ❏ Presence of Link/Multimedia
- ❏ Sentimental analysis
- ❏ Topic modelling
- ❏ Bag of words approach
- ❏ Manual classification, verification
- ❏ Naive bayes Approach

- Claim to be made from a special, secret, or ancient formula - often only available by mail or from one sponsor,
- Use testimonials or undocumented case histories from satisfied patients,
- Claim to be effective for a wide range of ailments,
- Claim to cure a disease (such as arthritis or cancer) that is not yet understood by medical science,
- Offer an additional "free" gift or a larger amount of the product as a "special promotion," or
- Require advance payment and claim limited availability of the product.