

Mental disorder

• Social type

- Forum: Pantip, Quora, reddit
- Microblog: Twitter, Weibo
- Reviews: Amazon, Yelp
- Social Network: Facebook
- Photo sharing: flickr.com, IG

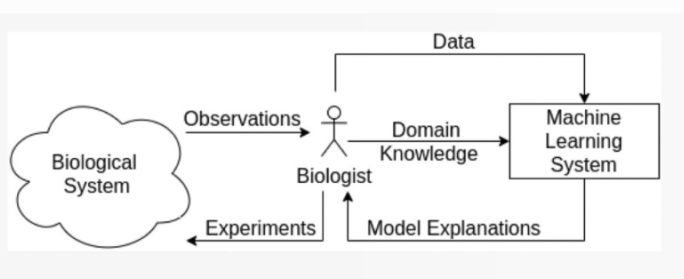
• Social media matrix

	Customised Message	Broadcast Message
Profile-based	Relationship Allowing users to connect, reconnect, communicate, and build relationships. (e.g., Facebook, LinkedIn)	Self-Media Allowing users to broadcast their updates and others to follow. (e.g., Twitter, Weibo)
Content-based	Collaboration Allowing users to collaboratively find answers, advice, help, and reach consensus. (e.g., Quora, Reddit, Yahoo! Answers)	Creative outlets Allowing users to share their interest, creativity, and hobbies with each other. (e.g., YouTube, Flickr, Pinterest)

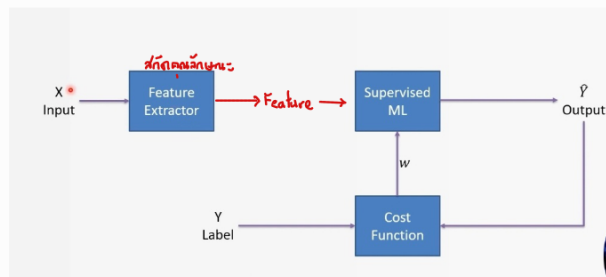
• Data Collecting

- ทำแบบสอบถาม
- เก็บข้อมูลจากเว็บไซต์
- ประวัติการรักษา (EHR)

• Domain Knowledge



• Model Pipeline



• Model Evaluation

	precision	recall	acc. (+ve)	acc. (mean)
engagement	0.542	0.439	53.212%	55.328%
ego-network	0.627	0.495	58.375%	61.246%
emotion	0.642	0.523	61.249%	64.325%
linguist. style	0.683	0.576	65.124%	68.415%
dep. language	0.655	0.592	66.256%	69.244%
demographics	0.452	0.406	47.914%	51.323%
all features	0.705	0.614	68.247%	71.209%
dim. reduced	0.742	0.629	70.351%	72.384%

Table 6. Performance metrics in depression prediction in posts using various models. Third column shows the mean accuracy of predicting the positive class.