

Natural Language Processing @ Naver Labs Europe

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In the middle of changes



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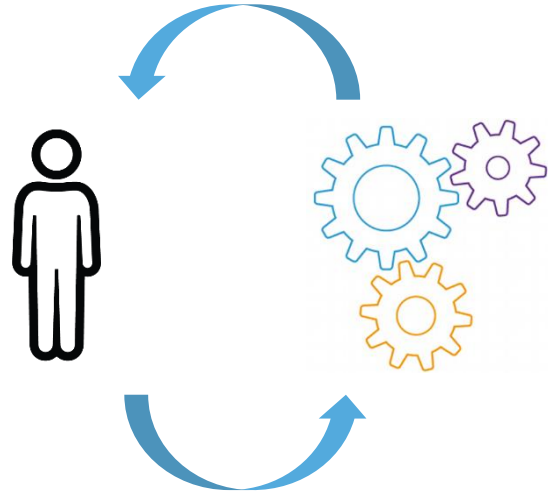


Naver is Korea's #1 Internet company

Naver Labs focuses on *Ambient Intelligence*,

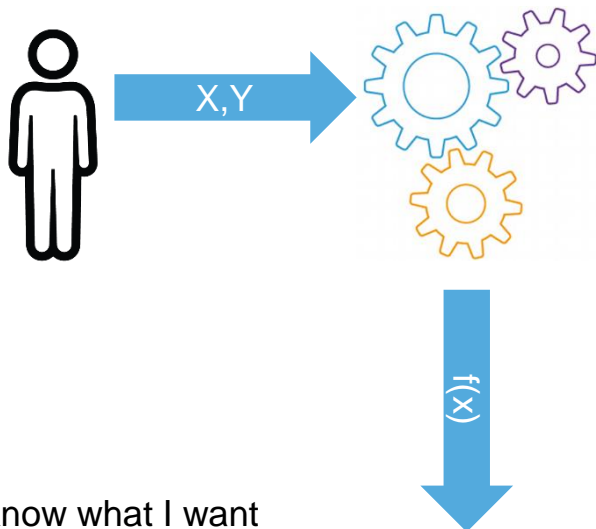
bringing AI to your daily, physical life

Interactive Machine Learning



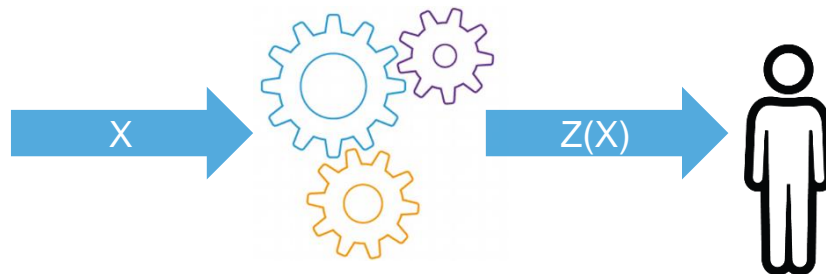
What?

Supervised Learning



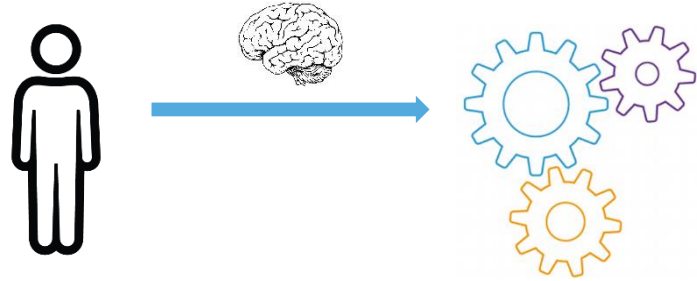
I know what I want
I have time to label lots of data

Unsupervised Learning

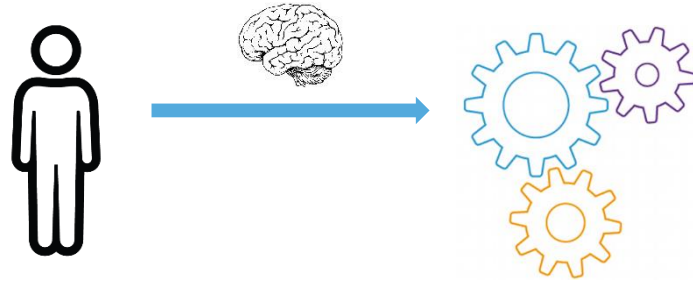


I am not sure what I want
I have a (big) corpus with assumed patterns

Prior Knowledge for deep learning



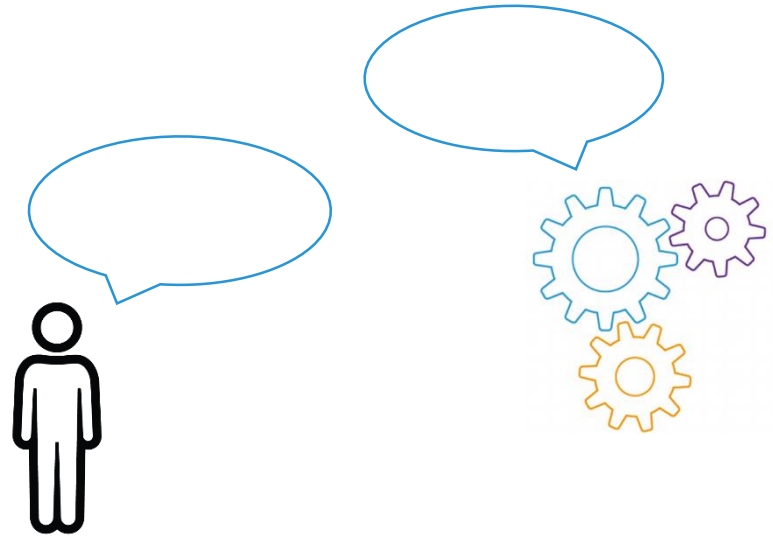
Prior Knowledge for deep learning



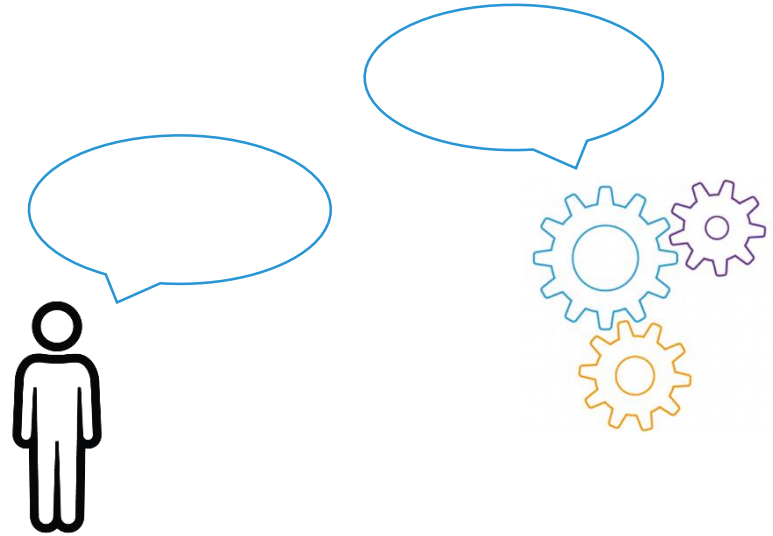
NN are powerful & flexible models

**How can we incorporate known structure of
the world to guide them?**

Conversational Robots



Conversational Robots



**What is needed to take existing virtual agents
and deploy them on humanoid robots?**