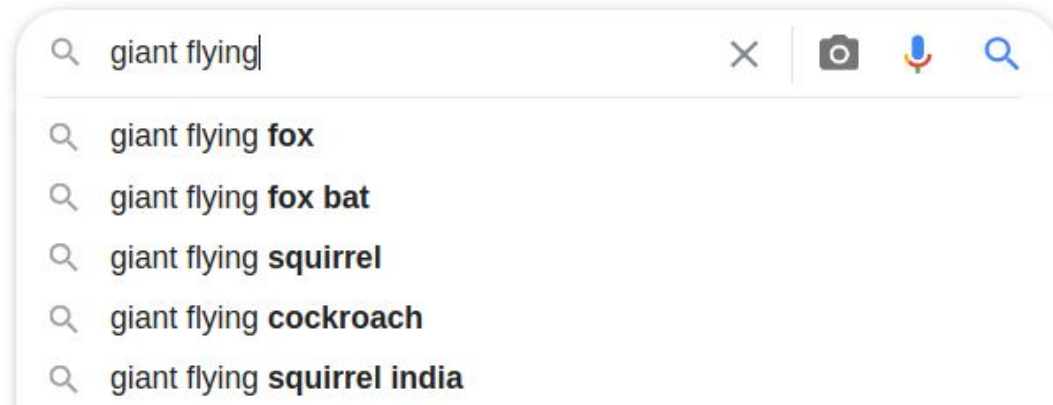
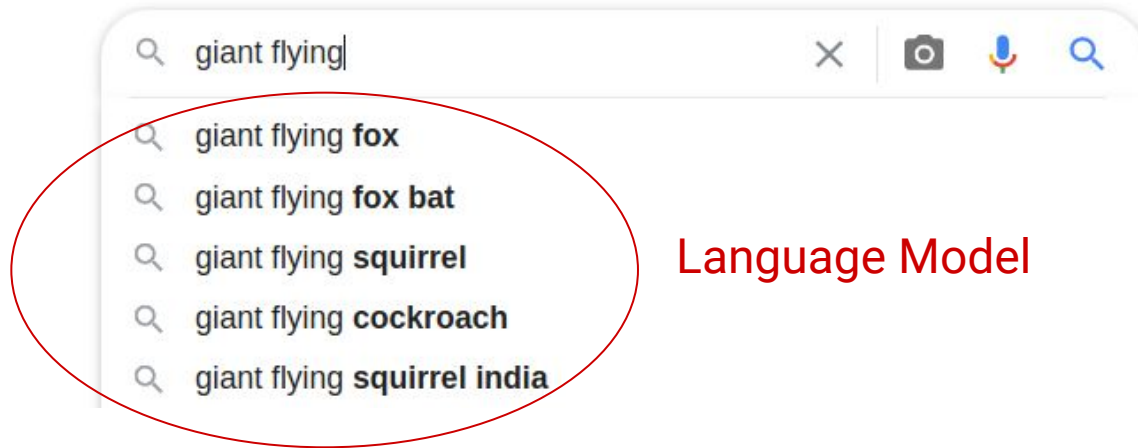


Applications of Language Modeling

Search Engine Suggestions



Search Engine Suggestions



Language Model

Autocorrect Feature



Autocorrect Feature



Autocorrect Feature



$P(\text{who is the greatest})$

$>$

$P(\text{who is the gratest})$

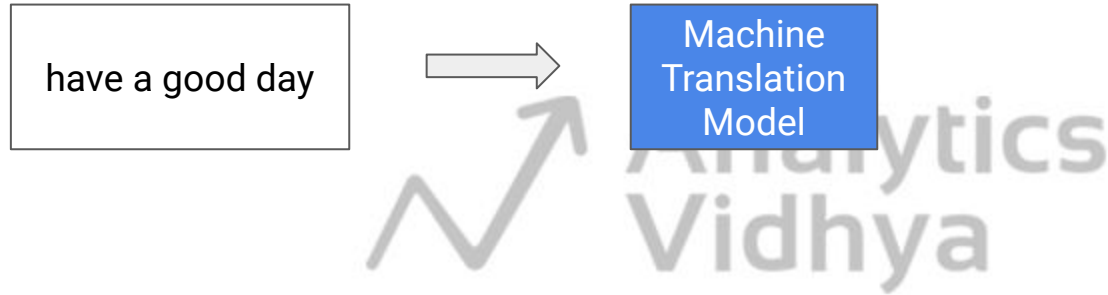
Machine Translation



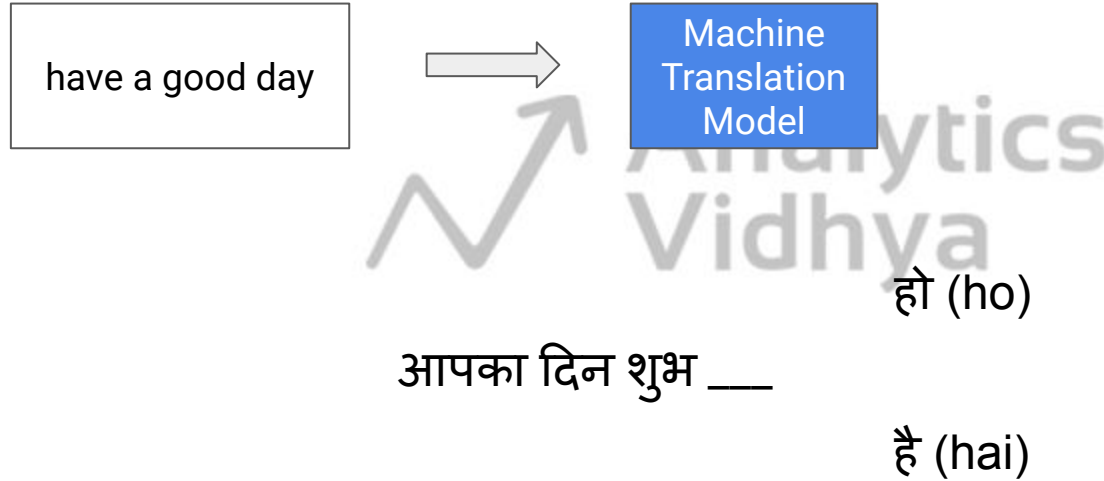
Machine Translation

Machine
Translation
Model

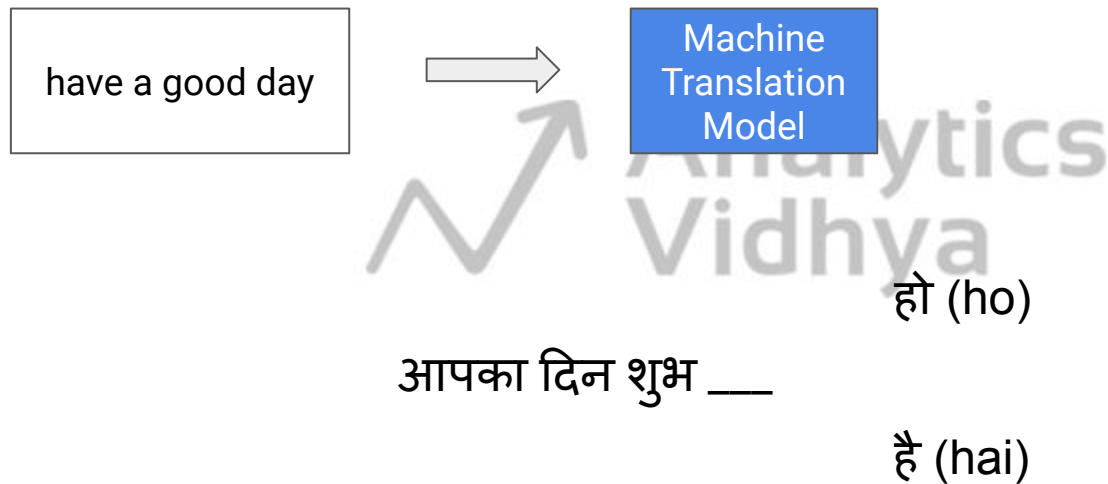
Machine Translation



Machine Translation

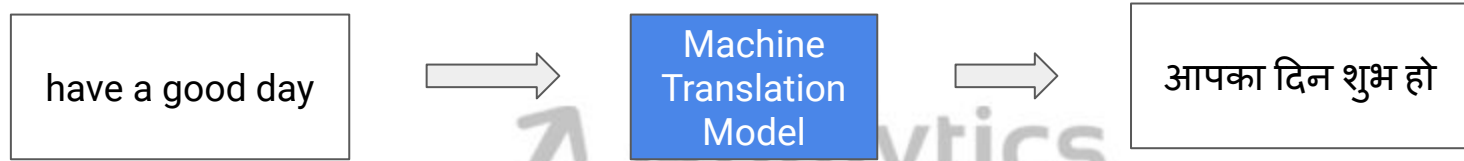


Machine Translation



$$P(\text{आपका दिन शुभ हो}) > P(\text{आपका दिन शुभ हैं})$$

Machine Translation



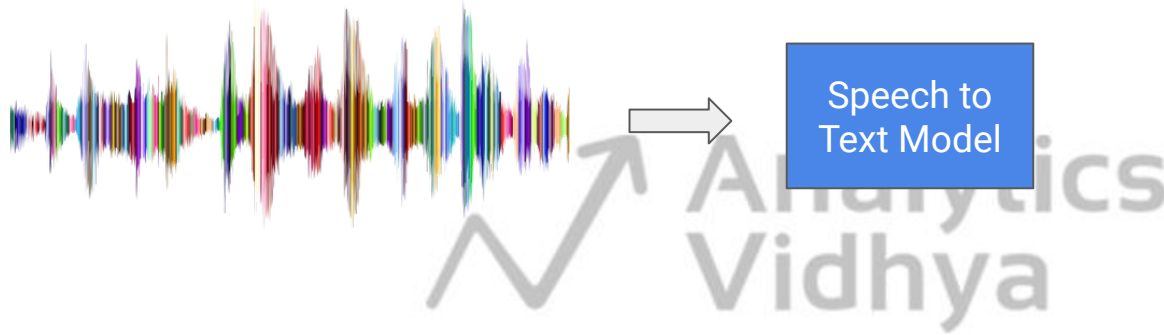
आपका दिन शुभ _____
हो (ho)
हैं (hai)

$$P(\text{आपका दिन शुभ हो}) > P(\text{आपका दिन शुभ हैं})$$

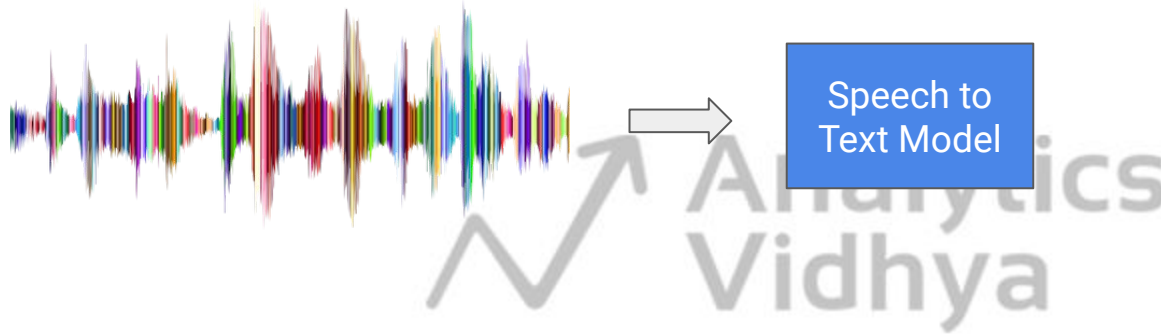
Speech-to-Text



Speech-to-Text

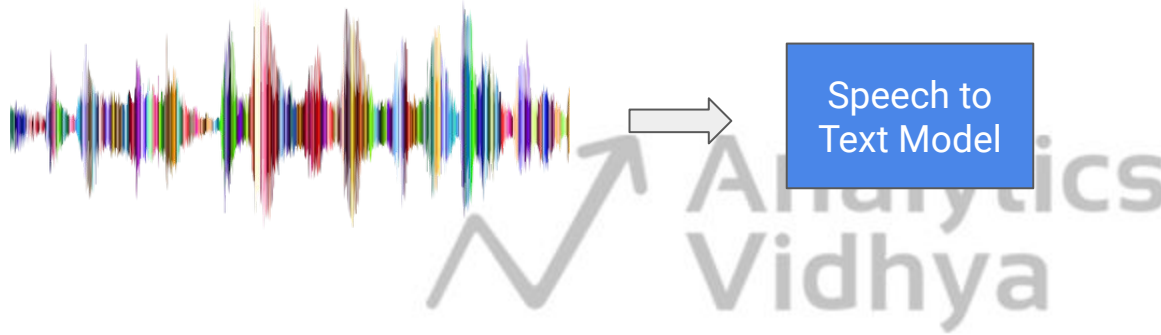


Speech-to-Text



- Eye know him
- I no him
- Eye no him
- I know him

Speech-to-Text



- Eye know him
 - I no him
 - Eye no him
 - I know him
- } Less probable sentences

Speech-to-Text



- Eye know him
 - I no him
 - Eye no him
 - I know him
- } Less probable sentences

Can you think of an Application?



Thank You