



## mustaches

deep learning can add  
a mustache to your  
face



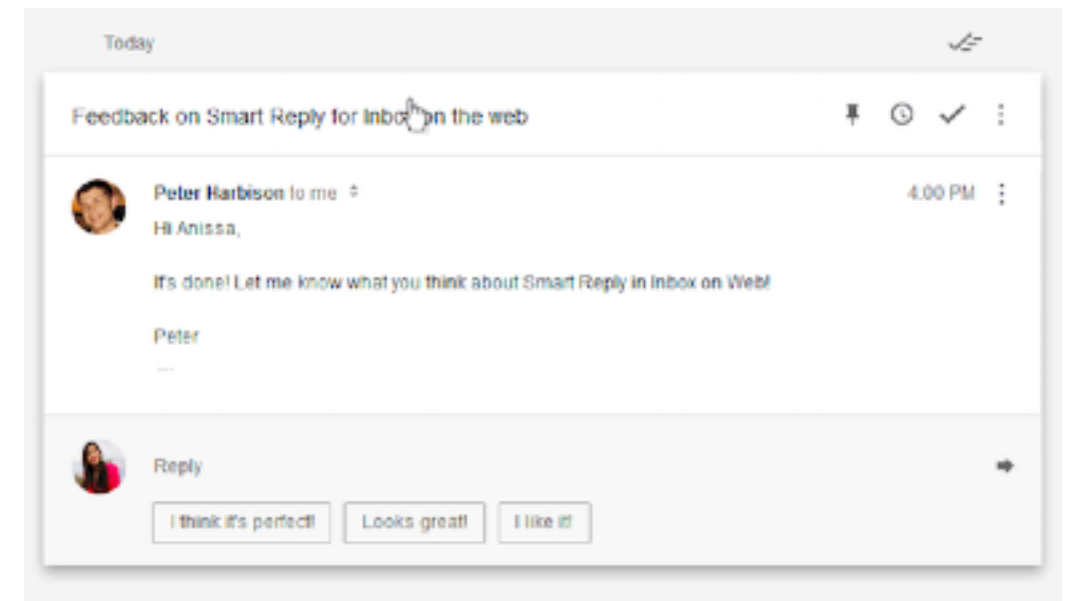
## newsfeed

deep learning sorts  
and filters your  
newsfeed



Inbox  
by Gmail

can autosuggest  
replies that sound  
human!



## iPhoneX

deep learning can  
unlock your phone  
with face recognition



# Universal Approximation Theorem

"Approximations by superpositions of sigmoidal functions",  
*Mathematics of Control, Signals, and Systems*, 1989

