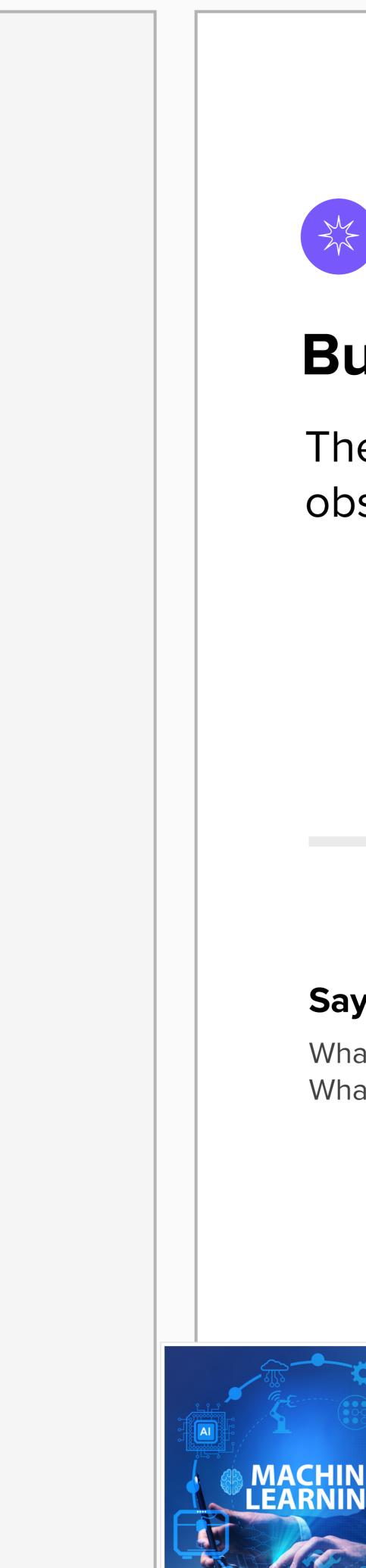


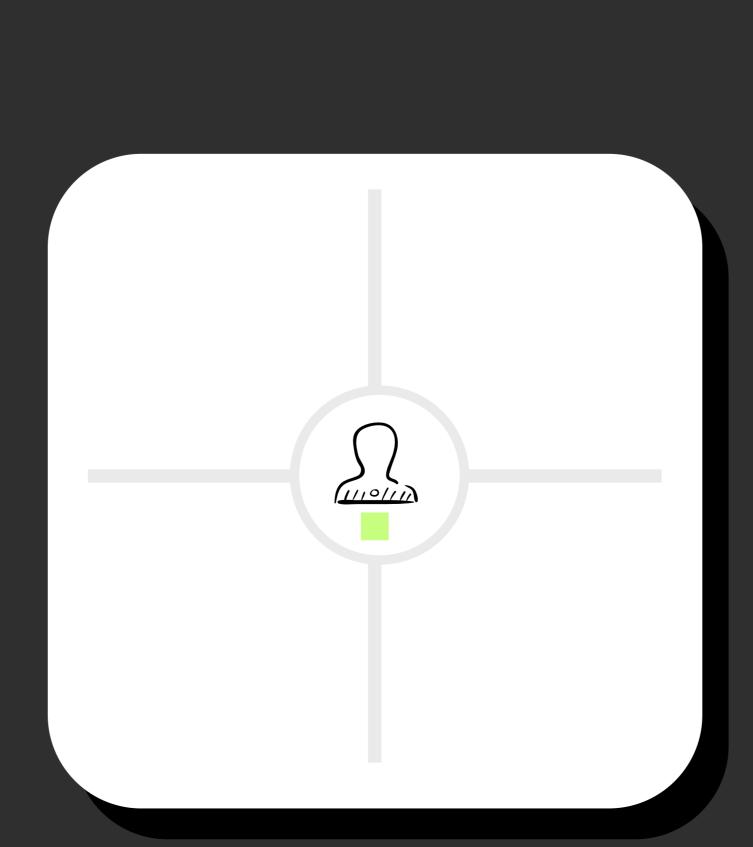
Empathy map

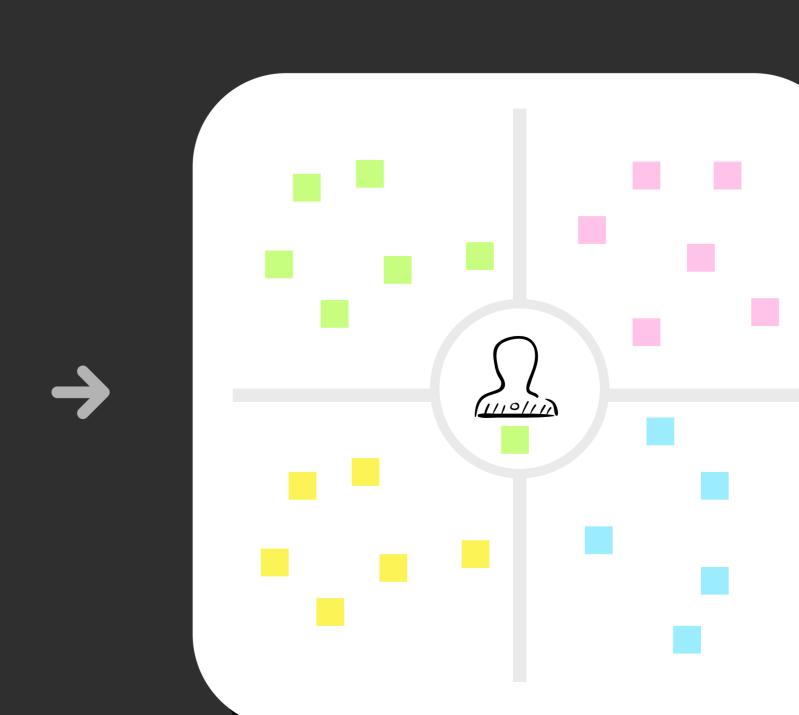
Use this framework to develop a deep, shared understanding and empathy for other people. An empathy map helps describe the aspects of a user's experience, needs and pain points, to quickly understand your users' experience and mindset.

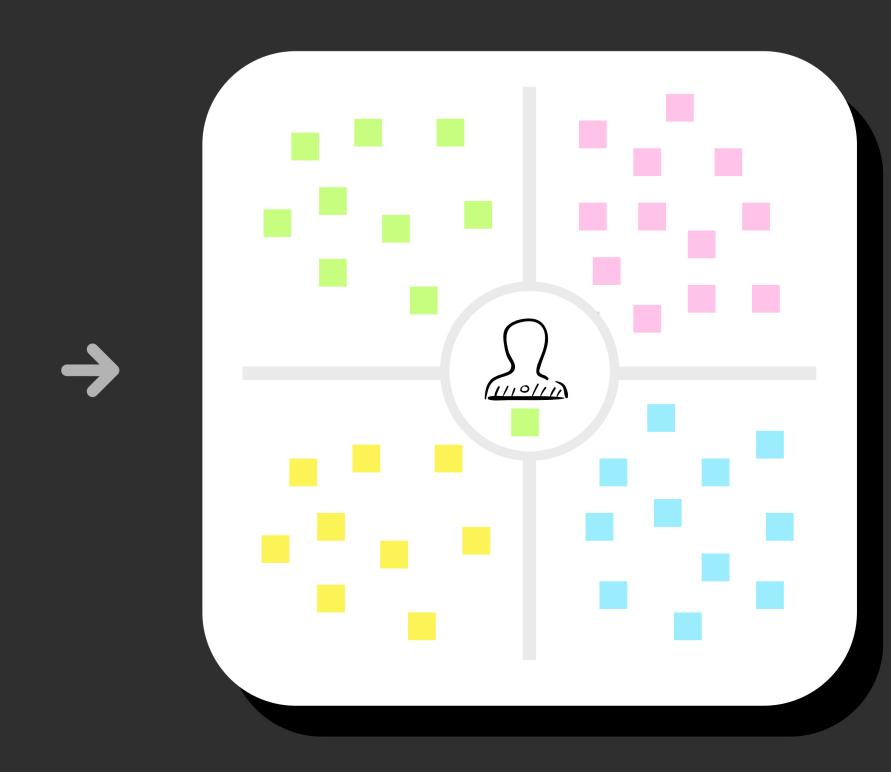
Says











Build empathy

The information you add here should be representative of the observations and research you've done about your users.

APAPTTO

VARYING

CONDITIONS

SPAMMING IS THE USE

OFELECTRONIC

LIKE E-MAIL AND OTHER DIGITAL

DELIVERY SYSTEMS

AND BROADCAST

MEDIA TO SEND

UNWANTED BULK

MESSAGES

INDISCRIMINATELY

SPAM FILTERING

PROTOCOLS USE

INSTANCE-BASED OR MEMORY-BASED

LEARNING

METHOPS

GMAIL AND YAHOO MAIL SPAM FILTERS PO MORE THEN JUST CHECKING JUNK

EMAILS USING

PRE-EXISTING

RULES

PROTECTING OUR
INBOXES FROM
MALWARE OR
PHISHING WHILE
ALSO MAKING SURE

ESSENTIAL

MESSAGES WE WANT

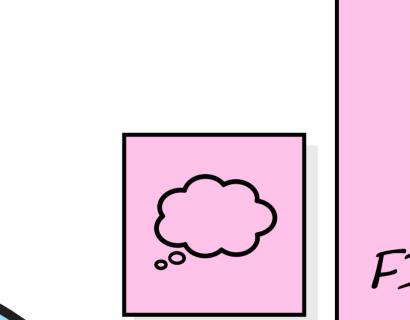
TO SEE AREN'T PROWNED OUT BY

ESSAGING SYSYTEMS



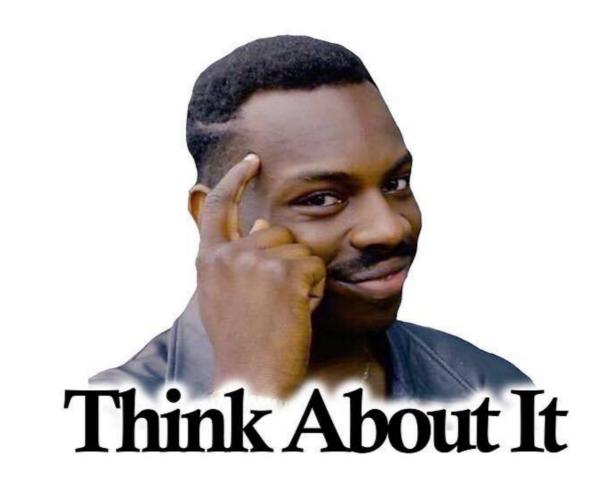
SPAM SMS IS ONE OF THE MAJOR PROBLEMS IN THE WORLD OF WIRELESS COMMUNICATION ANDITIS GROWING PAYBY DAY





(a) dreamstime.com

THE ADVANCEMENTS IN MACHINE LEARNING, IT'S NOW POSSIBLE TO DEVELOP MORE EFFICIENTAND EFFECTIVE SPAM FILTERING SYSTEM



Thinks

What are their wants, needs, hopes,

IT IS POSSIBLE

TO DEVELOP AN

EFFICIENT AND

EFFECTIVE SPAM

FILTERING SYSTEM

THAT CAN HELP TO

REPUCE THE

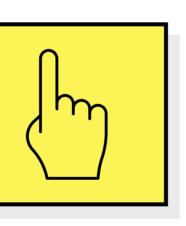
NUMBER OF

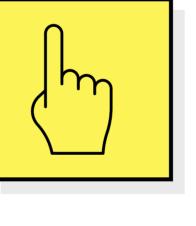
UNWANTED EMAILS

and dreams? What other thoughts

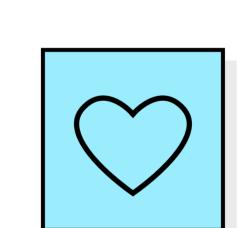
might influence their behavior?

OPTIMIZING SPAM FILTERING WITH MACHINE LEARNING













DESIGN IS NOT JUSTWHATIT LOOKSLIKE AND FEELS LIKE. PESIGN IS HOW IT WORKS.



Feels rations, and elings might Putting the Design Into Production ir behavior?

Does

What behavior have we observed? What can we imagine them doing?

