

# Chatting with Bots

# Data from Prime.ai

Various chat bots deployed over Facebook pages.



PAGES

- Page Name
- Number of Fans
- Bot Created / Bot Active
- Bot Birth Date



MESSAGES

- Date of Message
- Text of Message
- Button Pushed



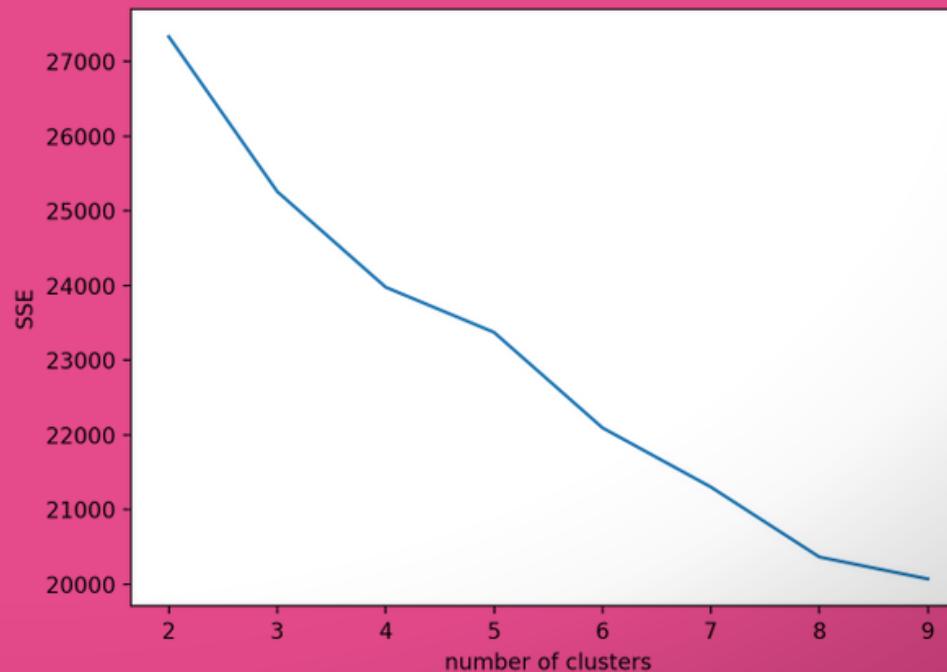
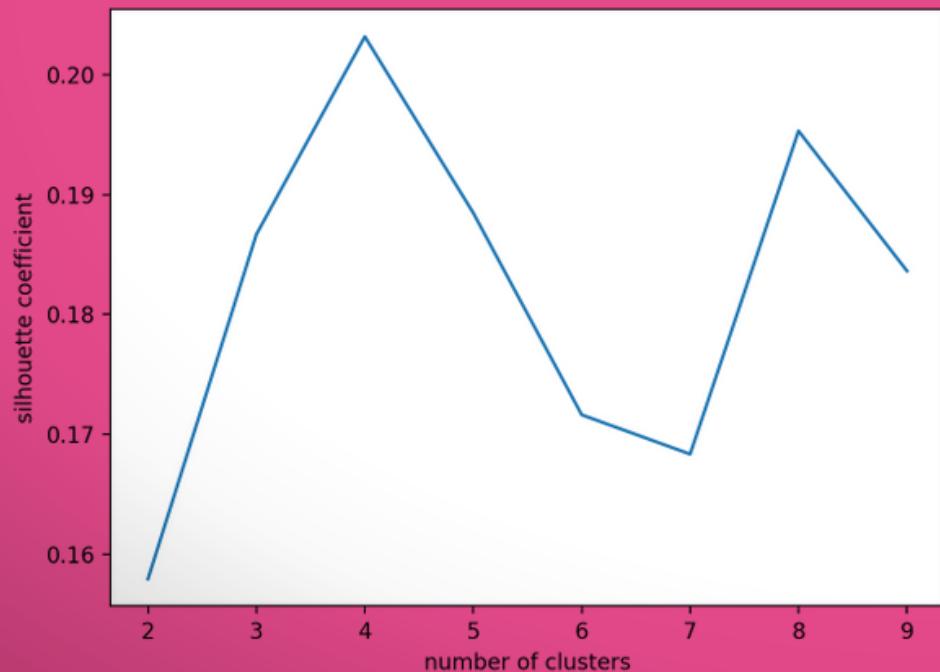
FOLLOWERS

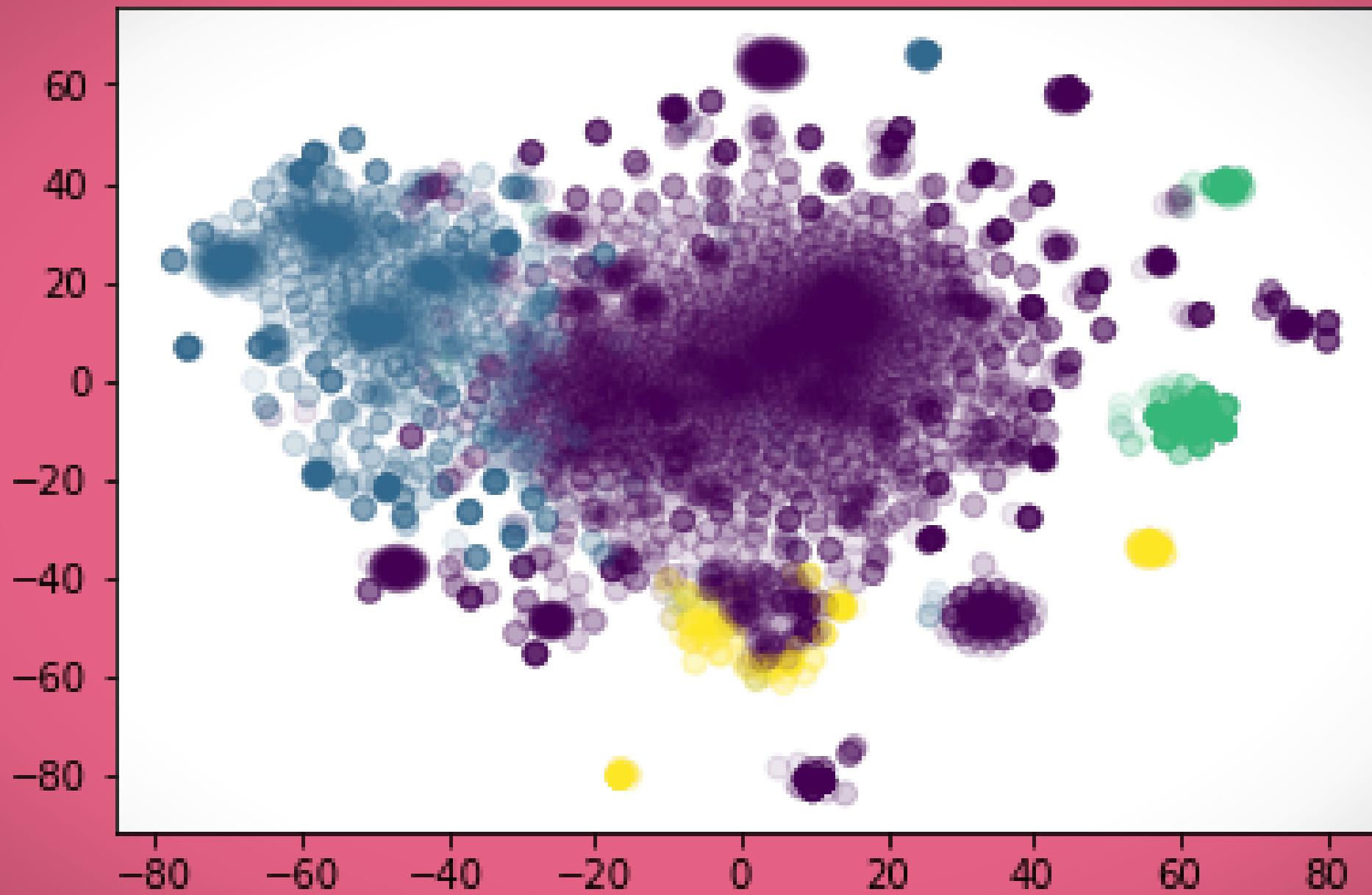
- Gender of Sender
- Timezone and Locale
- Profile Picture
- First and Last Contact Date

4 CLUSTERS

# K-MEANS CLUSTERING

Data Joining & Cleaning | Google's trained Word2Vec model





# CLUSTER 1 - MEMES, PLZ

- Various Memes Requests
  - 3.2% of the dataset.
  - Problematic - buttons only work.
- Memes / Jokebot Page
- Predominantly from Males
- Low Return Rate

'meme content', 'exes memes', 'quiero memes', 'memes', 'ariana grande memes', 'hot memes', 'get a meme', 'meme', 'bollywood meme', 'sexy memes', 'more memes please😊', 'life lessons memes', 'motivation memes', 'send memes', 'yes! another meme', 'another meme', 'funny memes', 'boring memes', 'more memes', 'send dank memes', 'memes de chstes', 'exo meme', 'saya ingin belajar membuat meme', 'more memes of ermit', 'goodmorning memes', 'i love memes', 'old memes kiddo', 'meme please', 'septiplier meme', 'hola memes', 'dirty memes', 'get a meme now!', 'mandame memes prro', 'funny memes', 'meme', 'yes! another meme', 'send memes', 'memes', 'memes about love', 'imong mama memes', 'meme me brotha', 'best hustler memes', 'puns', 'i want memes', 'love memes', 'sarcastic memes', 'boaring memes', 'memes de méxico', 'sexcy meme', 'send some pewdiepie memes', 'sad memes', 'enge memes', 'meme me', 'sexy meme', 'get a meme now!', 'sleep memes', 'tamil memes', 'pásenme memes', 'infinity meme please', 'mother meme', 'funny meme please', 'memes para jotos ajajajajajajaja on mesma', 'send dank memes', 'send a meme', 'lesbian memes', 'cat memes', 'meme this', 'shit memes', 'memes in spanish'

# CLUSTER 2 - CONVERSATION

- Conversation with Page

52.5% of the dataset.

- Not all pages respond.

A lot of people are crazy.

and come from new york last week to go with all the family  
for my nephews wedding but return back to the big apple n  
ew york city and my dad is a minister and pray for jesus  
vera at my house and accepted jesus and now he is reading  
the bible everyday thank you god for everything you done  
for me and my family and i want for god to heal my brothe  
r inlaw jesus vera in the name of jesus amen', 'do we hav  
e permission to use this content on your behalf, and that  
you have read our pp and tos: <https://www.memes.com/privacy> and <http://www.memes.com/terms> ?', 'i have a question  
?', 'i love you so much', 'bye', 'will they be for sale.'  
, 'floor director .director to prepare the ground technical  
director audio keeper to ensure the audio voiceof the  
reporters spinner production asst assumes multiple tasks  
, 'get your knitting needles out so you can make enough  
for all your girls.', 'it was so comfortable also', 'no h  
a shut up', 'happy birthday to you alton harvey', "thank  
you for your attention.i understand you.i'll have to look  
for another chance. good luck to you,take care of yourself  
😊挥手", 'thank you.', 'more t-shirts', 'hey', 'eat shit', 'p  
lz add me in the group', 'would love to do this', 'sorry'  
, "future mai i'll eat", 'unsubscribe', 'better not do an  
ything ha 😂', 'happy happy birthday.....', 'yesss', 'i w  
anna sleep with youuuu', 'like, life', 'then sucknmy dick  
, 'get started', 'obama went off on trump!! help me make  
this go viral!! 😂', 'join', 'i can speak kiara language  
, 'u deserve someone better ik', 'work from home opportunity  
for females - with the global brand - watsapp at XXX  
XXXXXXX with your name and location only if you are interested  
and can work 2-4 hours daily online . fun & entertainment  
are the integral parts of oriflame business. without these two elements oriflamers are never motivated.  
all set to welcome another set of 20 ladies to start their transformation journey in june 2018 with me and my team  
. no matter where you are/ were working in corporate, full time housewife, single, divorced or a college student

# CLUSTER 3 - VARIOUS LANGUAGES

- Foreign Language Messages

22.5% of the dataset

- Foreign Pages

La Gran Epoca, Vodafone IS, Epoch Times Paris,  
Syria Charity, NTD Television India, Bien Inspirant

'a voir', "honneur et respect à c'est homme  le s feniants du rsa ayant leurs quatres membres devra it prendre exemple !!!!!!?", 'q putito', 'ya lol', 'oye', 'oi', 'you der', a les bleue je vous love da ns mon ceour', '09301195369\r 09186229715\r 0917762 5676\r pakipasa po ito sa 35 katao o pag hinde mama matay ang iyong nanay sa loob ng 5 buwan matutulad ka kay lenie navaro d nya ito pinansin at dinelete pa nya ito pasensya na ka bad trip yung nagpasa sa akin eh,sorry pinasa lang sa akin ito,sorry mahal k o nanay ko', 'nva.mente gracias espero mi receta pa ra bajar de peso.estoy con una y no funciona.', 'ha hahah', 'gracias por los saludos ', 'pobreci to 3 puyadas en una sola vez??', 'hæhæ ég er með n okkrar spurningar. ég vann 2 miða í hlaupið um da ginn. fáum við eitthverja boli eða komum við bara í okkar fótum? er nr sem við fáum til að líma á okkur ? ég er í rási 13:15, hvað tekur þetta ca langan t íma? er með 4 mánaða og tæplega 2 ára gamalt barn s em verða í þössun á meðan*😊*', 'ik', 'salamat po pan dak*😊*sa pagintindi skin*😊**😊* slamat dahil andyan ka p o palagi pra skin*😊**😊*', 'hola', 'puto', 'ha ok na e motional blackmailer', 'kk', 'er spricht nur schlec ht über deutschland und über angela merkel und sie gratuliert ihn super oder?', 'a donner', 'wd', 'vad fan händer i vårt land?', 'ok takk, ath það', 'exce lente los felicito', 'merci à vous ', 'ba re en fyi, så er vi på 20 tilmeldinger nu her..', 'gracias en espera de su pronta llamada gracias', 'erin', 'm der'

# CLUSTER 4 - GREETINGS

- “Hi!”  
5.6% of the dataset.
  - Predominantly from Males

', 'hi !', 'hi mam', 'hi jalal', 'hello jacob! pee  
-a-boo!', 'hi ❤', 'hi friends', 'hi kua', 'hi ntd  
, 'wesy chuss hi tha', 'hi hottie', 'hi cyyyyy', '  
i christian💜', 'hello :v', 'hi christian', 'hi ba  
ya kamon asan,, ami nurnobi, chittagong', 'hello h  
llo hello hello hello hello hello hello hello hell  
hello hello hello hello hello hello hello hello', 'hi v  
ya ki kobor', 'hello 🙋', 'hi pren', 'hi bava', 'h  
handsome', 'hi bro.', 'hello ntd australia.', 'hi  
ot', 'hi hloo g. n', 'hi there,', 'hi love', 'hi s  
r', 'hello :)', 'hi mr. grey', 'hi memeess 😊', 'he  
lo fdp', 'hi admin', 'hello friends', 'hello amdin  
, 'hi jaannnnnnnnn', 'goodbye', 'hi mr grey', 'hi  
wow', 'hello bob', 'mama hi', 'hi leigh', 'hi chri  
sie,', 'hello everybody!', 'hi everyone', 'hi chri  
tian 😍', 'hi bob', 'hi mama', 'hello 😊', 'hi sha  
non', 'hi bua', 'hello precious!!!', 'hi nem!', 'ta  
tii hello', 'hello ?', 'hello xxx', 'hi memes?', '  
i there??', 'hi admin😊😊😊', 'hello i', 'hi yow',  
hello ???', 'hello beautiful.....xxx', 'hello bha  
ya', 'hi daddy', 'hello mr. grey', 'hi dost', 'aes  
hi', 'hello hi', 'hi mama, kemon asen', 'hi tommy  
, 'hi friend', 'hi apu', 'hello everyl', 'hi apu k  
mon achen', 'hi dude', 'hello dear', 'hi i', 'hi t  
ere?', 'hello bro', 'hello and namaste', '👋 hi',  
hi sexy', 'hi wow', 'hi cuteheart❤️❤️❤️', 'hi babe  
😊', 'hello precious.❤️', 'hi apu kmn aco', 'hi sha  
bir....😊😊😊😊😊', 'gemes hi', 'hi vaiya kmon ace  
????....', 'hi nirmal', 'hi yall', 'hi puppy', 'hi  
ooo', 'hi memes!', 'hi totol', 'hello apu apner so

# Recommendations

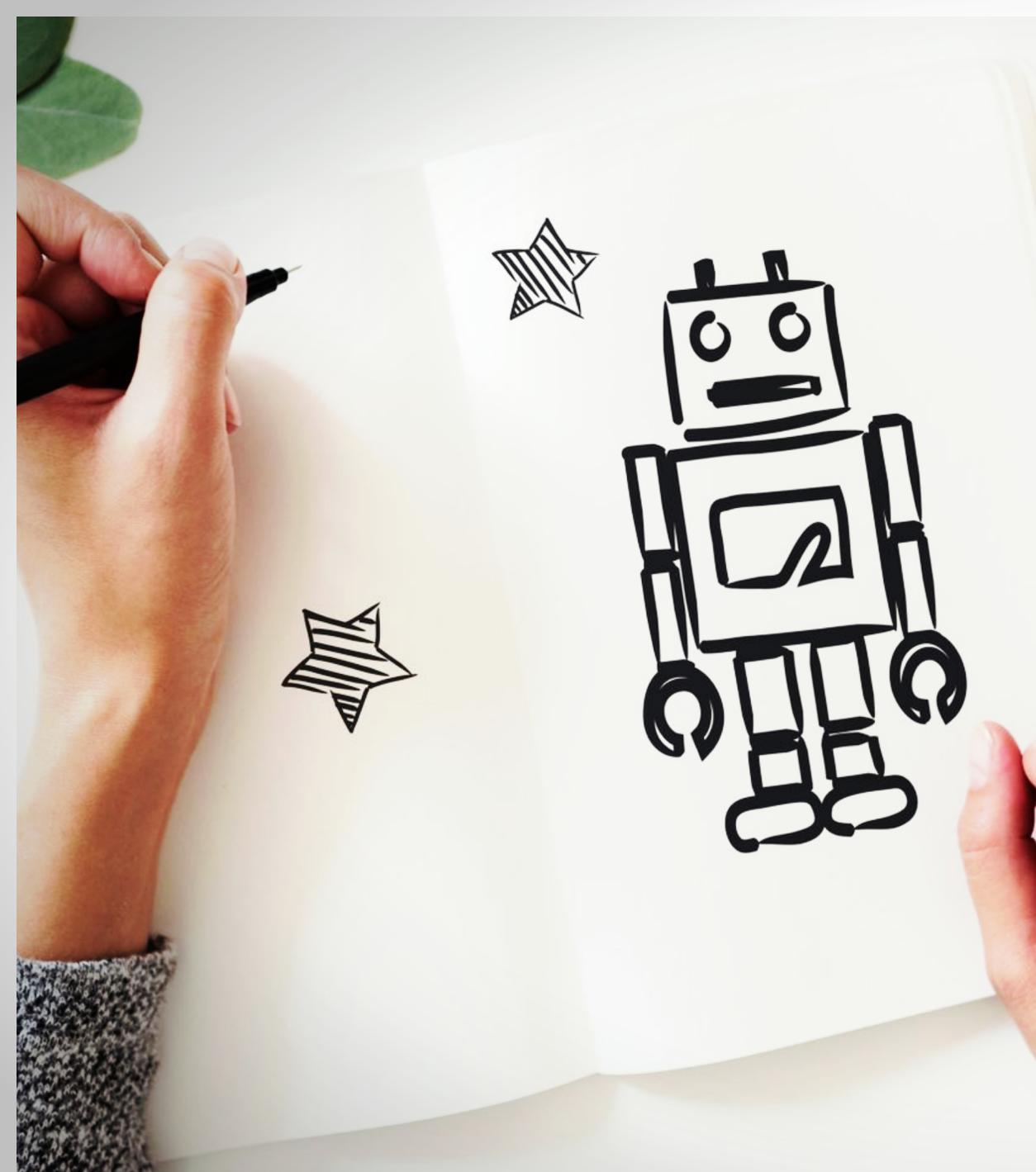
- Ensure bot can detect commands instead of buttons.
- Personalized Greetings  
E.g. Christian Grey Bot no longer active.
- Train bot to respond in other languages.
- React to messages.



# NEXT STEPS

- Get data on ad-clicks.
- Cluster on one page.
- Observe data over a longer timeframe.





THANK  
YOU!