# Twitch Channel Partnership Classification

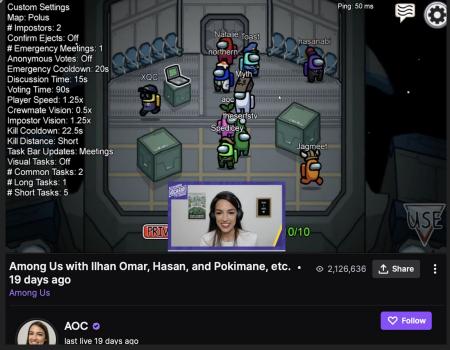
Griffin Hundley

# Overview

#### Twitch.tv

- Video game, music, art related livestreams
- Heavy community focus
- Chatroom

Congresswoman AOC playing Among Us with other top streamers to ~300k viewers



# Advantages of being a partner

t-wit-ch

- Subscriber button
- Ad revenue
- Bounties
- Can apply to be shown on the front page

# **Business Problem**

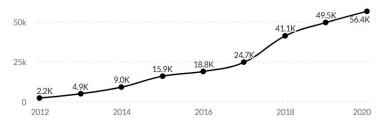
Partner applications are manually reviewed

- Not scalable stats double every few years
- Personal bias can influence who is approved

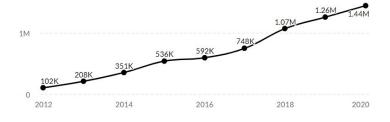
Solution: Model that can approve partners based on continuous data

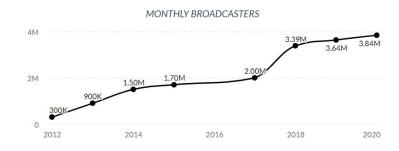
Source:
Mansoor Iqbal
https://www.businessofapps.com/data/twitch-statistics/

#### AVG CONCURRENT CHANNELS



#### AVG CONCURRENT VIEWERS





# DaigoTheBeasTV スト5 Street Fighter V • Team: HyperX | WE'RE ALL GAMERS Japanese Fighting C Follow C Subscribe Q 2,126 0:41:11 ∴ :

# Data

#### Twitch API and Twitchtracker

~30,000 channels

#### Metrics such as

- Views and followers
- How often they stream
- How many games they play, how long do they stream
- How long do viewers stay and watch

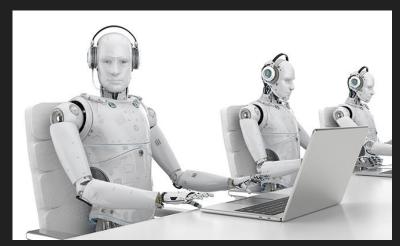
# Assumptions

Bias due to only having current data

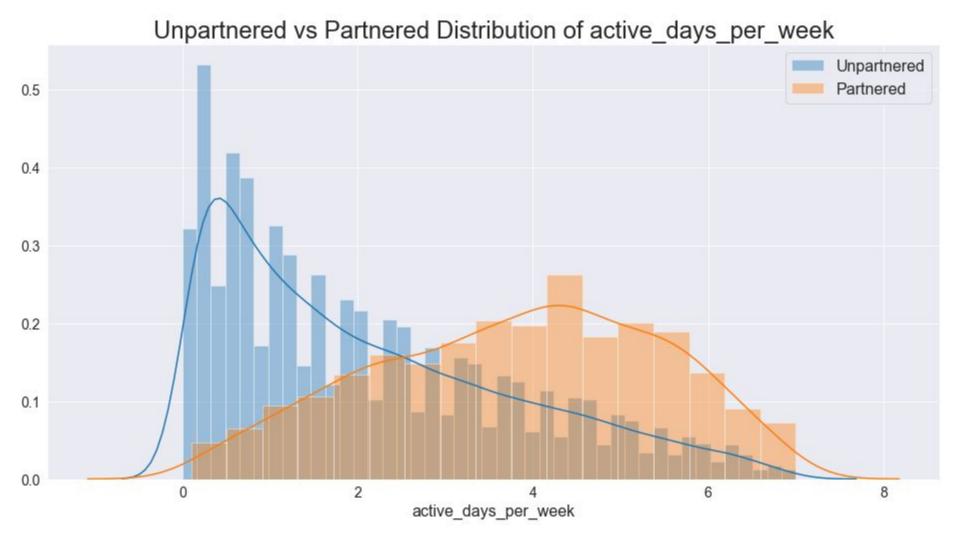
Unable to distinguish 'artificial views'

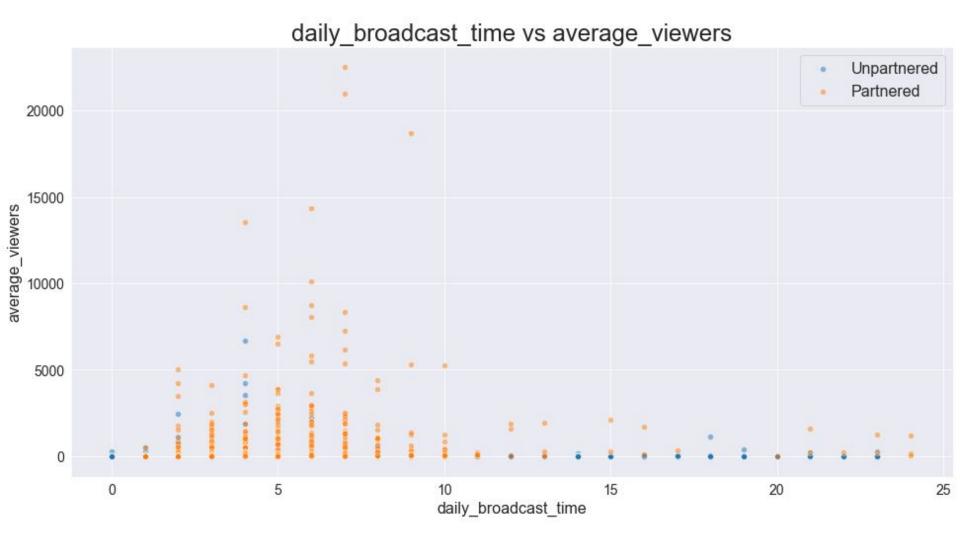
Data collection period - late fall

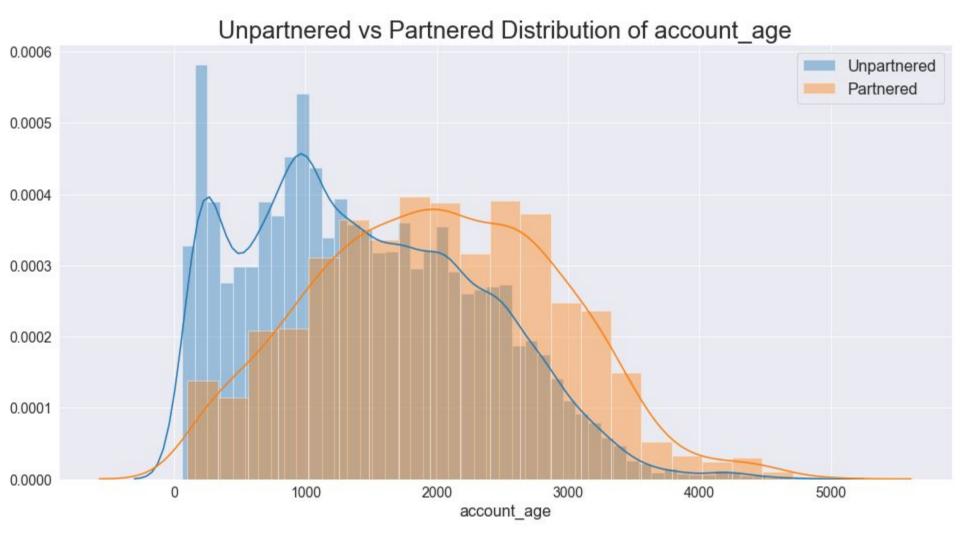
**Excluding chat interaction** 



Source: R. Massicotte @ sfmagazine.com

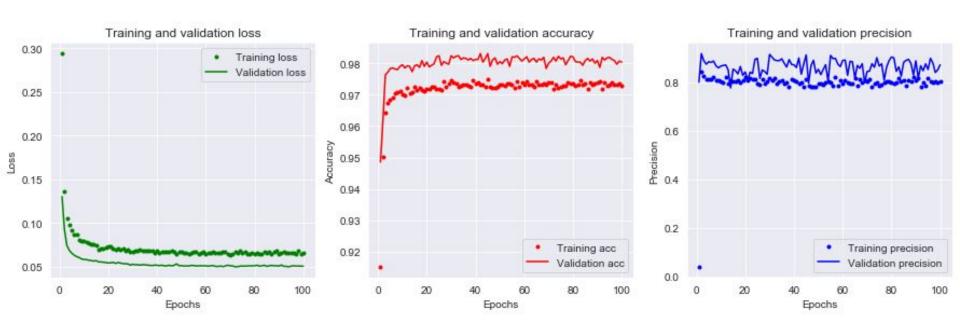




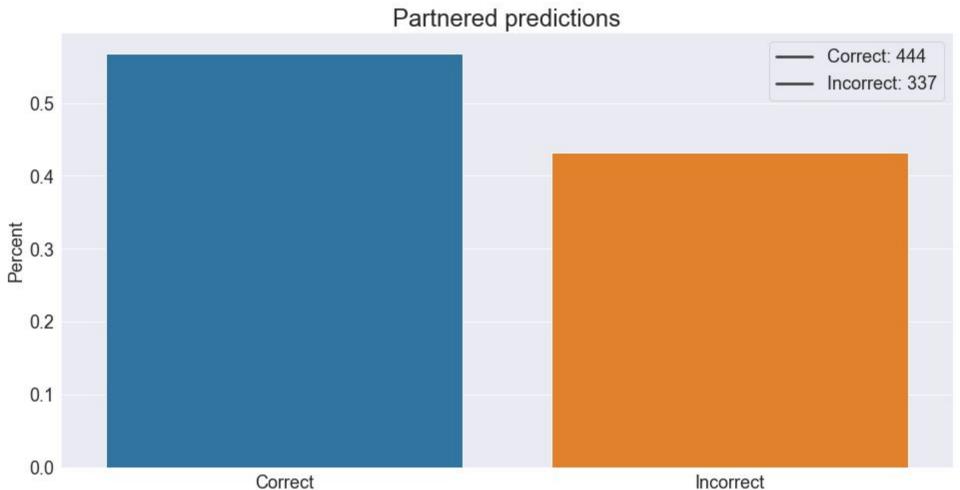


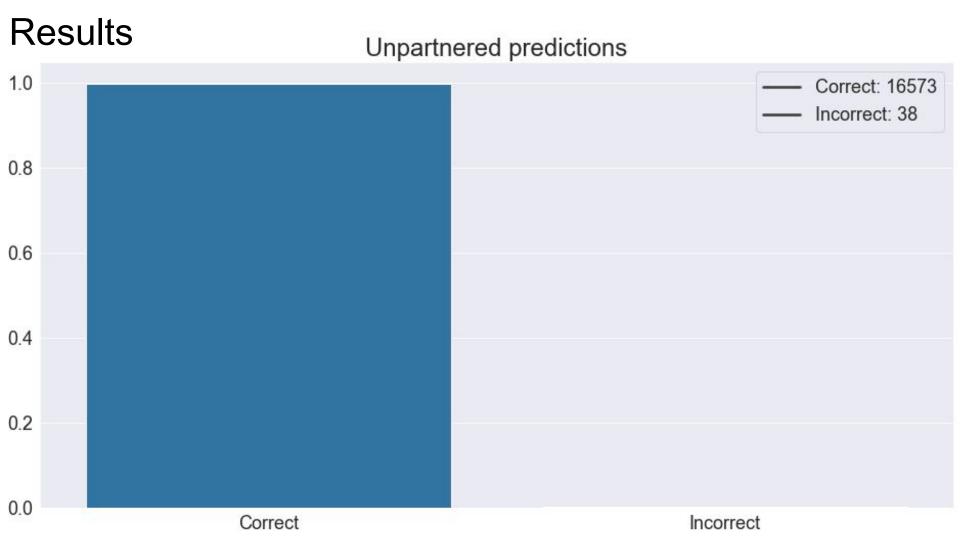
# Methods

- Highly selective, minimize false positives



# Results





# Recommendations

#### First step:

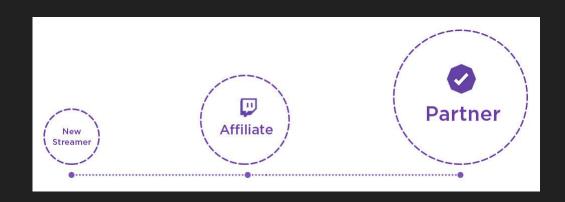
- Start testing on a subset of applications
- High probability channels are still manually reviewed
- Incorporate chat activity/sentiment/brand risk into model

#### Second step:

Transition to full automated review

# Next Steps

- More data for training (only 4% of partners were in the dataset)
- Tackle assumptions natural views and historical data
- Get chat activity data
- Do the same analysis but on only affiliates, excluding non-partners





# Contact

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