



Business Problem

- Released November 23, 2004
- Peaked at 12 million subscribers in 2010
- Estimated to now have ~2 million active max level players towards the end of patch
 9.1

ACTIVISION BILZZARD



Business Problem

Feedback on Patch 9.2 launch

- Server Stability
- Class Set Aesthetics
- In-game Bugs





The Data

[2. Trade Chat - City]

- Seen by in all major player hubs/cities
- **Per Server (Server Name: Area 52)**
- **Meant for trading between players**

- [2. Trade City] [Boomboommf]: WTS M+ 10-15 ! Gold Only! Guild Team
- [2. Trade City] [Dildadron]: WTS M+ 10-15!Buy 2 or more and Get
- Discount! Gold only! Guild Team Ready!

 [2. Trade City] [Dildadron]: WTS M+ 10-15!Buy 2 or more and Get
 Discount! Gold only! Guild Team Ready!

 [2. Trade City] [Washedcops]: WTB [Shadowghast Necklace] 110K PST
- [2. Trade City] [Karvine]: So what does everyone think about patch 9.2 so
- 2. Trade City] [Rezu]: Pretty cool, I like how wow has adapted
- Trade City] [Hooyah]: wts 291 ring/necks or combines
- [2. Trade City] [Karvine]: adapted? In what way? Feels like I've been playing the same exapnsion for 5 years lol . Trade - City] [Rajini]: story is great, no complants there :kappa . Trade - City] [Lucifox]: WTS M+ 10-15! Gold Only! Guild Team Ready!

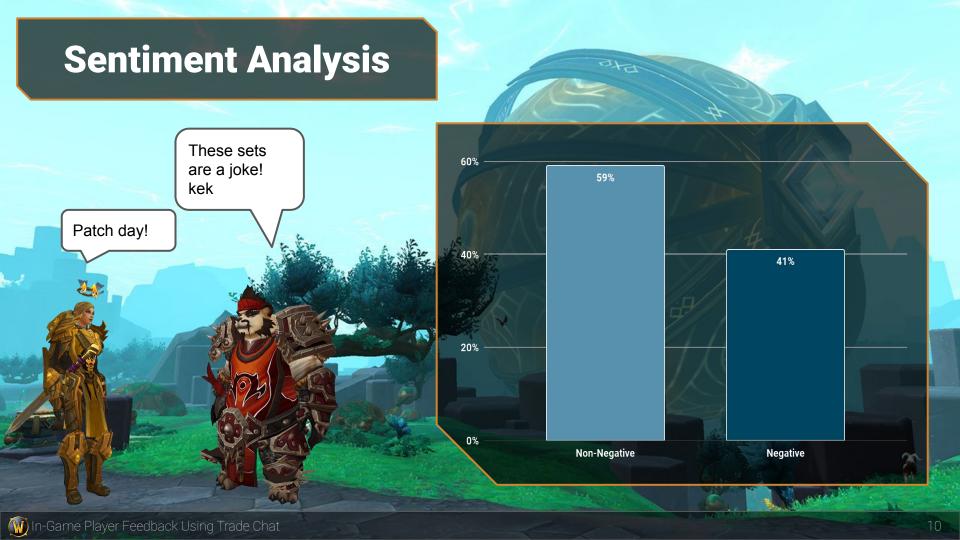
The Data

Data Collection

- /chatlog
- ~24 hours of chat
- 4,448 trade chat entries
- Manual classification of chat entry

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2/22 08:17:20.753
                  [2. Trade] Malabrah-Area52: so u got boosted is what ur saving
2/22 08:17:28.587
                   [2. Trade] Insanepulls-Area52: dont worry buy a new one on blizzard shop then get
2/22 08:17:31.987
                   [2. Trade] Stinkfish-Area52: naw i think he was saying he was boosting
2/22 08:18:08.905
                   [2. Trade] Blokemon-Area52: I wonder if they're going to start banning players in
2/22 08:18:11.104
                   [2. Trade] Blokemon-Area52: =x
2/22 08:18:16.149
                   [2. Trade] Jaebow-Area52: its the boosteres, not the boosted
2/22 08:18:34.549
                   [2. Trade] Jaebow-Area52: idk if there is another wave of ban coming or not, but
                   [2. Trade] Stinkfish-Area52: i thought it was honestly the boosterettes not the
2/22 08:18:43.049
2/22 08:18:52.649
                   [2. Trade] Insanepulls-Area52: Maybe he was part of a community
2/22 08:18:56.149
                   [2. Trade] Blokemon-Area52: So am I the only thing I boost is the morale on them
2/22 08:18:57.816
                   [2. Trade] Marseille-Area52: no more book flyers in the oribos, god bless blizzar
2/22 08:19:02.116
                   [2. Trade] Basshammer-Area52: gosh darn boosterino's
2/22 08:19:31.782
                   [2. Trade] Jaebow-Area52: i sell 2s carries, and i seen in disc about bans for bod
2/22 08:19:47.320
                  [2. Trade] Basshammer-Area52: screen cap and sending to bliz now... gg
2/22 08:19:53.020
                   [2. Trade] Stinkfish-Area52: boostie boys buying boosts in best buy backrooms
2/22 08:19:54.453
                   [2. Trade] Blokemon-Area52: LOL
2/22 08:19:55.286
                   [2. Trade] Insanepulls-Area52: Blizzard should use Ip Bann for those bosters
2/22 08:20:07.086
                   [2. Trade] Blokemon-Area52: We got Matlock up in tradechat
2/22 08:20:23.255
                   [2. Trade] Ego-Area52: can't believe rated solo que will be real
2/22 08:20:33.455
                   [2. Trade] Valavx-Area52: wait so its not ip ban?
2/22 08:20:35.922
                   [2. Trade] Blokemon-Area52: Oh IP Ban would be lovely I can imagine the youtube
2/22 08:20:37.022
                   [2. Trade] Deltadawn-Area52: Matlock is an attorney/detective...
2/22 08:20:40.088
                   [2. Trade] Basshammer-Area52: this is the first time trade chat actually has more
2/22 08:20:47.322
                  [2. Trade] Blokemon-Area52: No Val they're making them start overing
2/22 08:20:47.622
                   [2. Trade] Insanepulls-Area52: Nah its just account bann
2/22 08:21:18.655
                   [2. Trade] Blokemon-Area52: So basically the booster gets banned then buys another
2/22 08:21:18.655
                  [2. Trade] Valayx-Area52: ahhh no wonder
2/22 08:21:20.555
                   [2. Trade] Insanepulls-Area52: so u just get another acc buy instant 60 D
2/22 08:21:21.923
                   [2. Trade] Blokemon-Area52: the circle of wow
2/22 08:21:35.188
                   [2. Trade] Basshammer-Area52: boostception
2/22 08:21:51.755
                   [2. Trade] Insanepulls-Area52: @Blokemon va thats why they should bann by Ip
2/22 08:21:54.048
                   [2. Trade] Deltadawn-Area52: and blizz.. er.. microsoft makes more money from sub
2/22 08:22:04.000
                   [2. Trade] Gpr-Area52: <Crisp> is a new guild looking forward to push into mythic
                   [2. Trade] Blokemon-Area52: I know Insane but it's a money con they're only banni
2/22 08:22:18.732
2/22 08:22:46.959
                   [2. Trade] Insanepulls-Area52: There is a relation that those guys who are booste
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Feedback by Topic





Armor Set Aesthetic

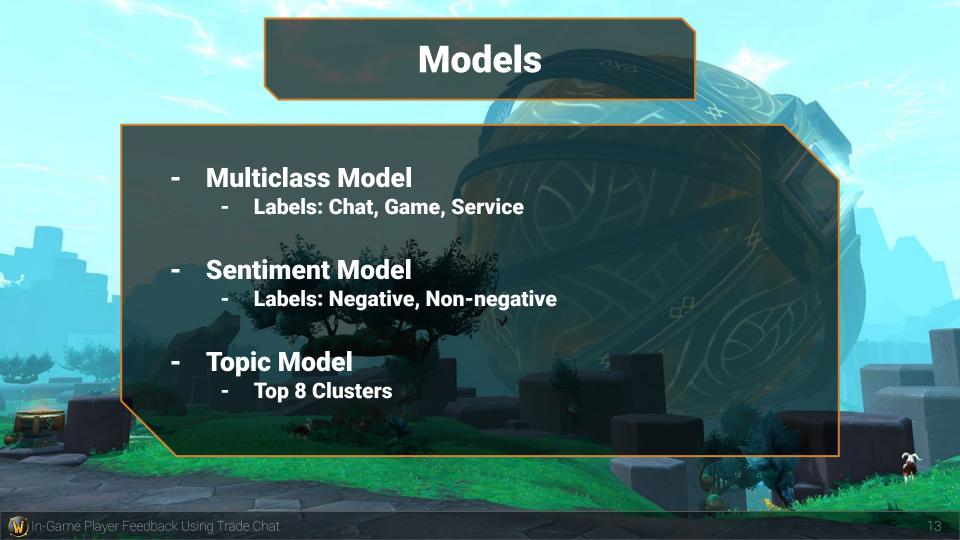


Quest Bug

getteinghastyoribos

getteingh

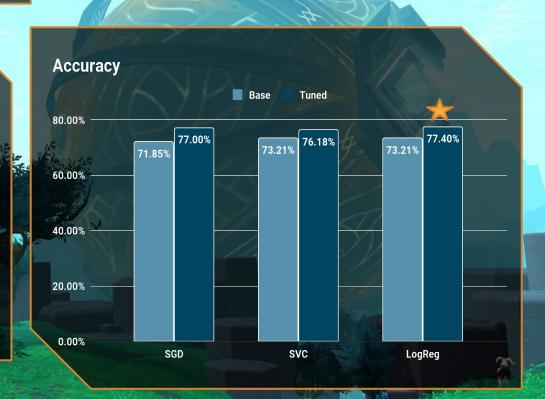


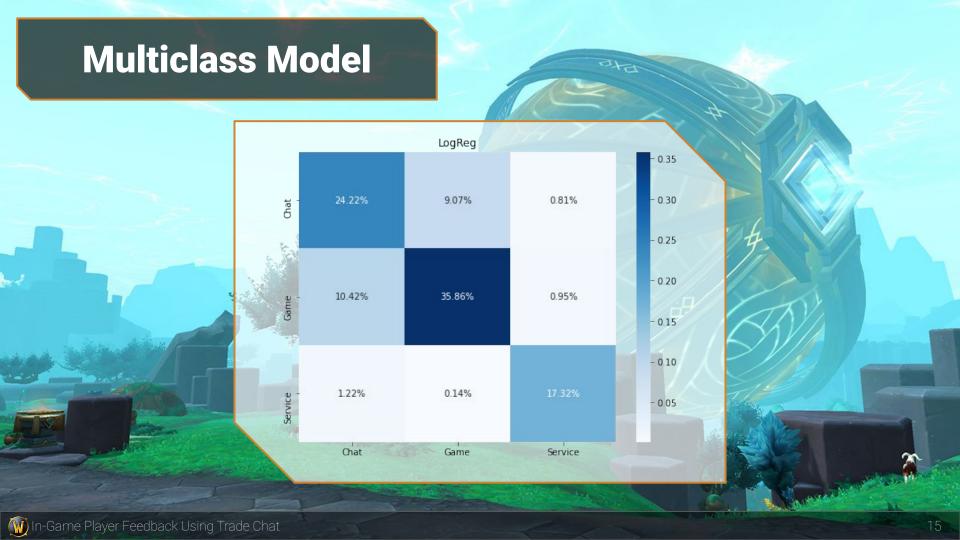


Multiclass Model



Accuracy: ~77.40%



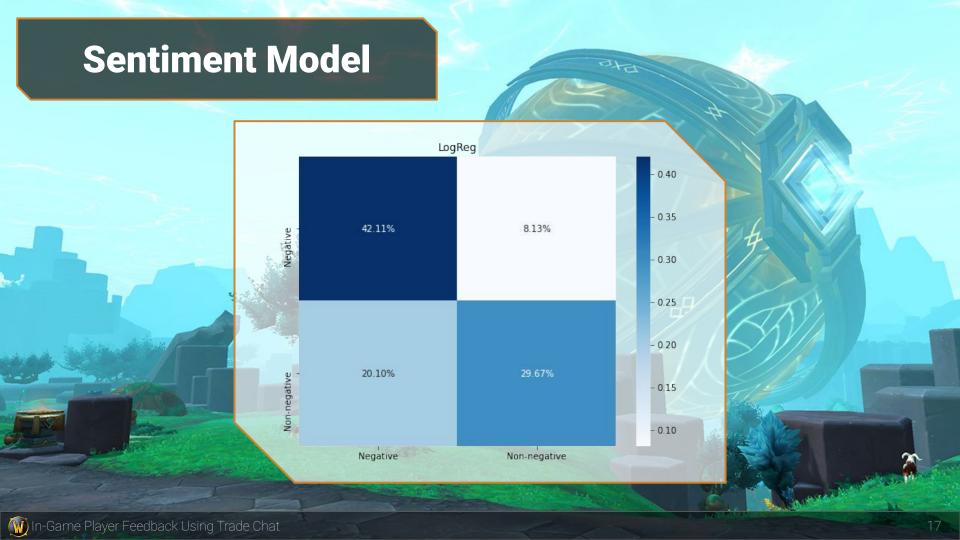


Sentiment Model

Tuned Logistic Regression

Recall: ~78.48%





Topic Model - GDSMM

Gibbs Sampling Dirichlet Multinomial Mixture

- Lesser known compared to LDA
- Aimed at detecting topics in smaller documents
- Assumes only one topic per document
- Model calculates number of clusters

Server



Patch 9.2



Unknown



PvP Armor Set



Server



Quest Bug

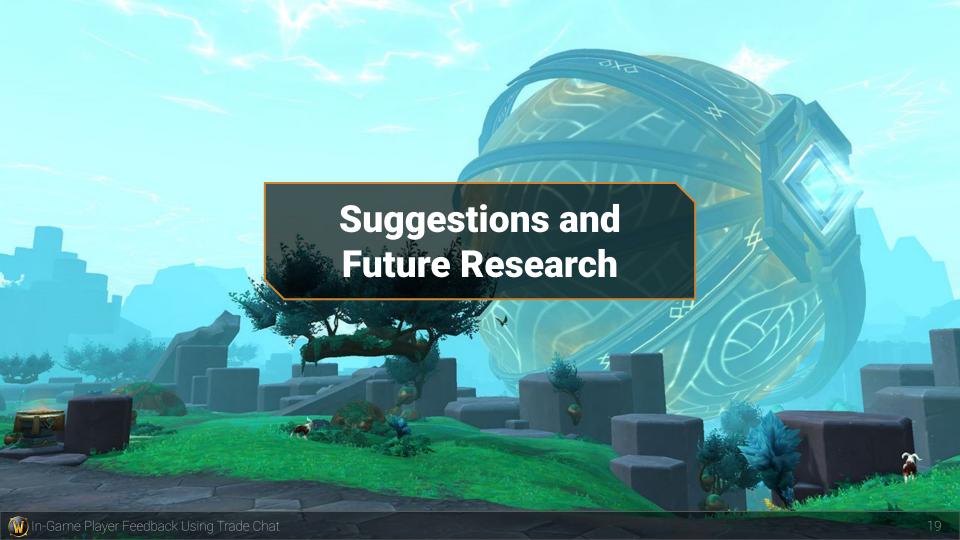


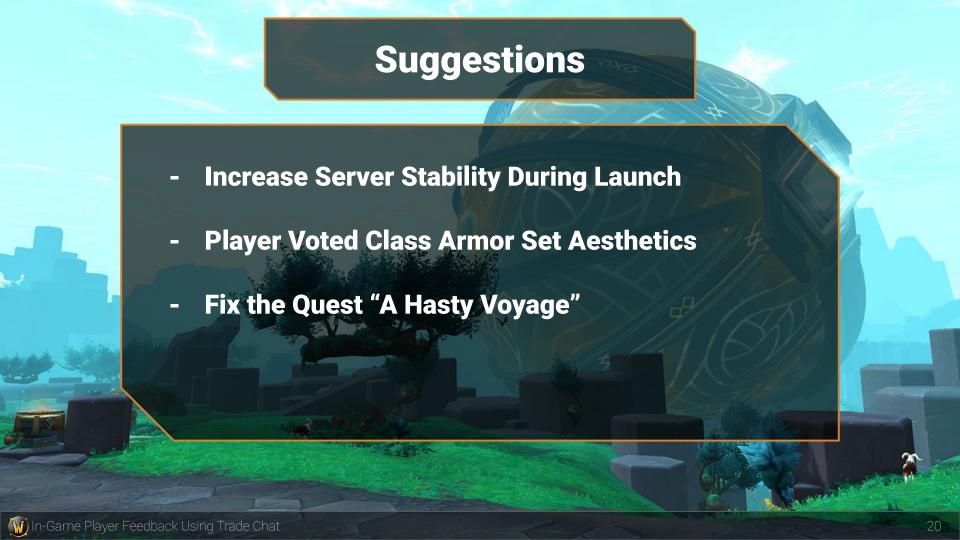
Armor Set



Server







Future Research

- Gather data from all linked servers and other regions
- Player Feedback NPC
- In-game harassment filter







github.com/epradojr



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