C3

Process and analyze data in such a way that it leads to further learning and professional development

Course 4 - Individual Project DA24STO - Hyper Island



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FORTNITE BATTLE ROYALE ITEM SHOP

500 MILLION PLAYERS
MORE THAN 85 000 ITEMS
DAILY UPDATED STORE

WHAT	WHY	НОМ	
An analysis of the Item Shop	Common practice in the	Scraped data from fandom	
Economic Game Design	industry	websites.	

	date	rarity	item_type	name	cost
0	2022-06-15	rare	outfit	Jellie	1200
1	2022-06-15	rare	outfit	Scimitar	1200
2	2022-06-15	rare	wrap	Emblem	500
3	2022-06-15	common	wrap	Rainbow Bubblegum	300
4	2022-06-15	uncommon	pickaxe	Fit Stick	500
85516	2023-07-04	uncommon	outfit	Crustina	800
85517	2023-07-04	epic	glider	Flying Saucer	1200
85518	2023-07-04	rare	glider	Flappy Flyer	800
85519	2023-07-04	rare	glider	Ice Cream Cruiser	800
85520	2023-07-04	rare	emote	Drippin' Flavor	500

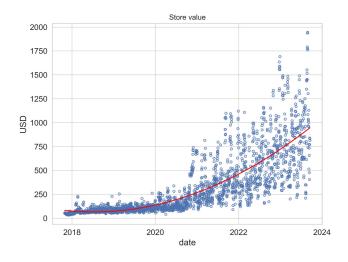
EXPLORATORY DATA ANALYSIS

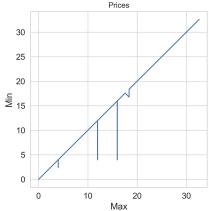
2 148 DAYS SINCE 2017-10-30 16 ITEM TYPES (OUTFIT, GLIDER, PICKAXE, EMOTE, BUNDLE, ETC.) 15 RARITIES (COMMON, UNCOMMON, RARE, EPIC, LEGENDARY AND IPS) 85 508 ITEMS 3 386 UNIQUE ITEMS 400 FREE ITEMS (35 UNIQUE), LESS THAN 0,5%

OVERVIEW

How much content needs to be done over time? What is the store daily value?

Hypothesis: The Item Shop started smaller, with a few items and less variety, and grew over time.

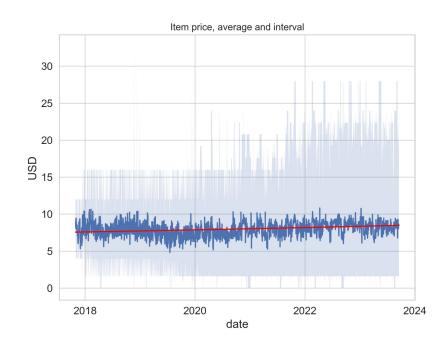


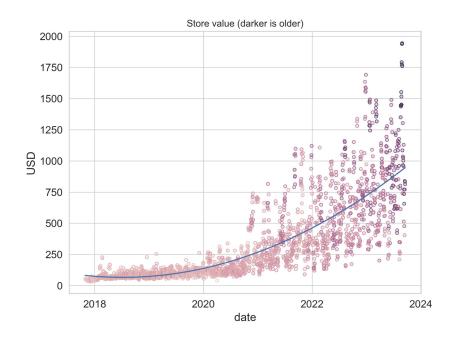


	Mean	Max	Min	delta
name				
Anakin Skywalker (Bundle)	17.166207	18.38	16.78	1.60
Blaze	10.029333	11.98	4.00	7.98
Lucky	3.620339	4.00	2.40	1.60
Raptor	14.010685	15.98	4.00	11.98

ANALYSYS

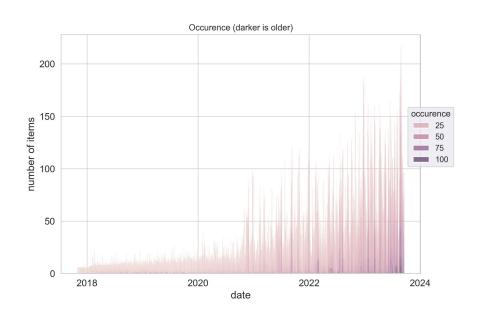
Average item price doesn't change, but store value soares Old items are reintroduced

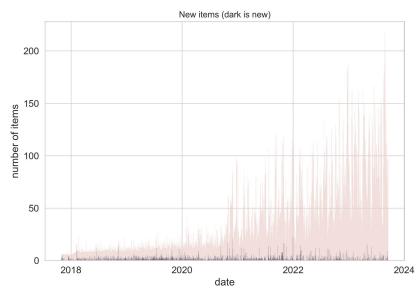




ANALYSYS

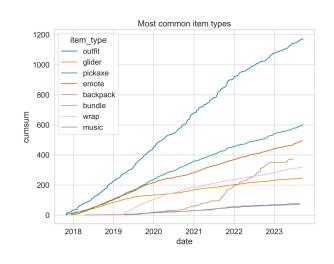
Growth is driven by repeated reintroduction of items

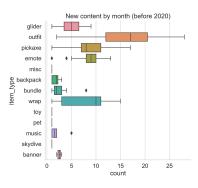


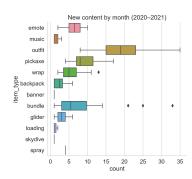


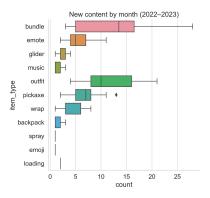
PRODUCTION

Outfits are the most frequent, but bundles catch up Bundles are a good way to reintroduce value without increasing production costs



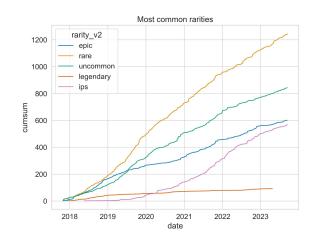


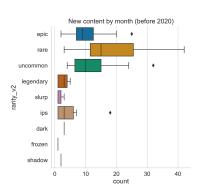


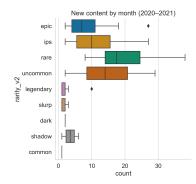


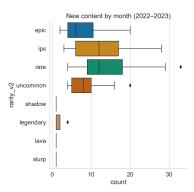
PRODUCTION

IPs have cultural appeal and help to drive growth



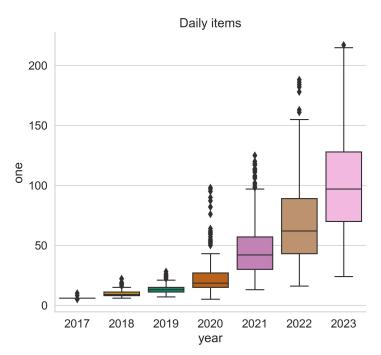


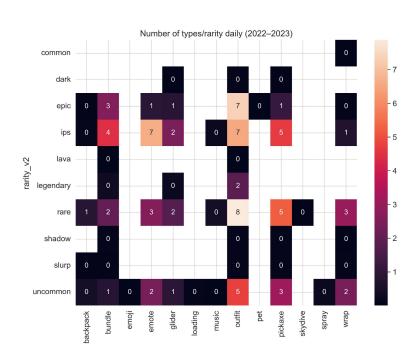




PACING

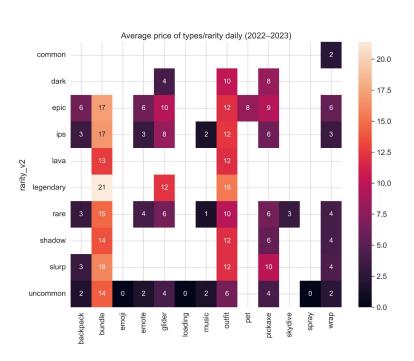
Exponential growth Around 29 outfits shown daily

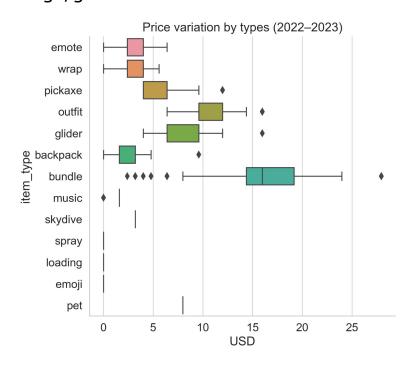




PRICING

Legendary bundles and outfits are the most expensive items Outfits are the most expensive individual items Bundle have the biggest price range, good for offers





CONCLUSION

PRODUCTION

PACING

PRICING

Significant growth
Outfits reign
Shift to new bundles
Old items largely reused

Growth 10-fold

Daily items high increase New value for old items Store catalog is always changing

Hype and engagement

Legendary outfits and bundles have highest price Bundles offer more flexibility

Attractive as package deal

Item Shop has a dynamic approach to in-game monetization Focus on maintaining player engagement



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https://github.com/guibracco/fortnite-store-analysis