

# GPT-3 as your Qualitative Research Assistant

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# **Language Models Taking over the World!**

<https://ai.googleblog.com/2022/04/pathways-language-model-palm-scaling-to.html>



# Google's Pathways Language Model (PaLM)

## Explaining a joke

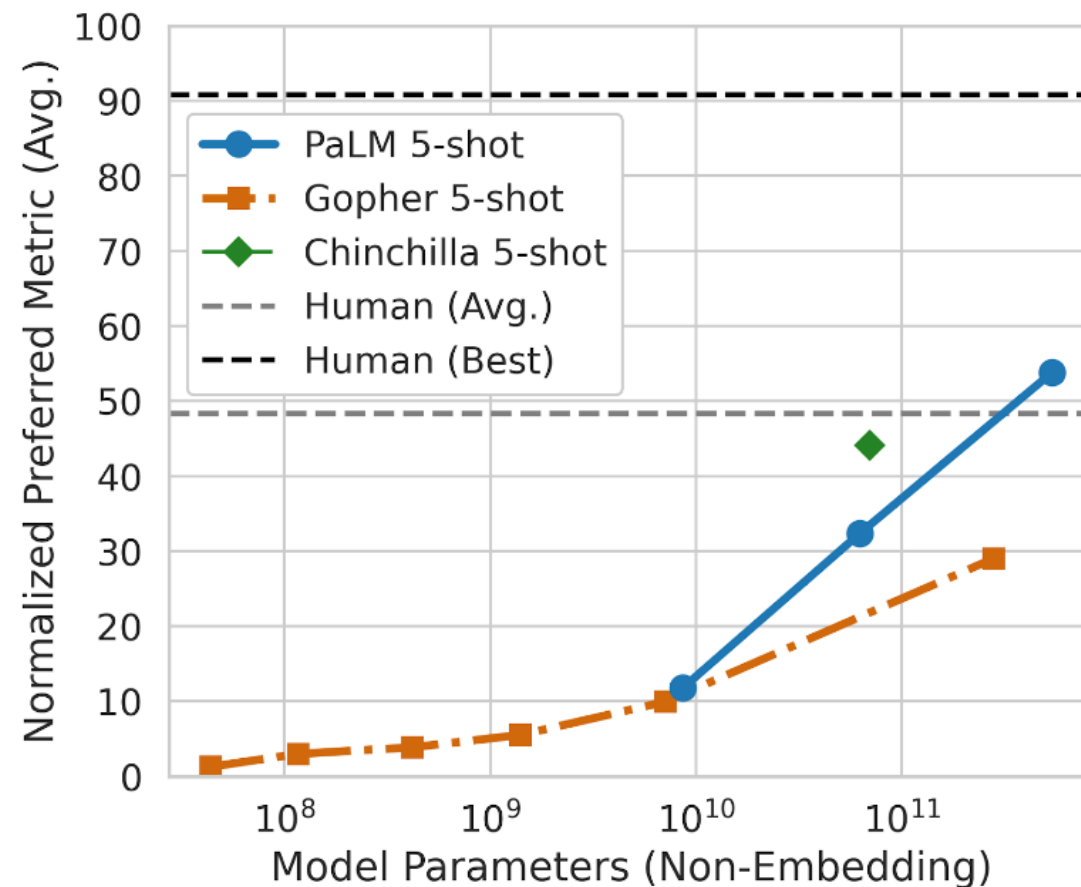
### Prompt

Explain this joke:

Joke: Did you see that Google just hired an eloquent whale for their TPU team? It showed them how to communicate between two different pods!

### Model Response

Prediction: TPUs are a type of computer chip that Google uses for deep learning. A "pod" is a group of TPUs. A "pod" is also a group of whales. The joke is that the whale is able to communicate between two groups of whales, but the speaker is pretending that the whale is able to communicate between two groups of TPUs.



# OpenAI GPT-3 Example

Title: GPT-3 as your Qualitative Research Assistant

Presenter: Hani Safadi

## Instructions

Write an abstract for the presentation

## Abstract:

Nowadays, big companies like Google, Microsoft, and Facebook are investing millions of dollars in the development of language models from scratch.

In this talk, I will discuss how you can use the biggest language model nowadays, GPT-3, to help you in your qualitative research.

This talk will take two directions:

1. The first part will be about how you can automate your analysis by using GPT-3 to detect themes, by using open-ended questions, and by creating an abstraction tree.
2. The second part will be about how you can use GPT-3 to help you with your interview guides, which can help you to stay on track in your conversations with customers.



# The Debate

## TECHNOLOGY

### Deep Learning Is Hitting a Wall

What would it take for artificial intelligence to make real progress?

BY GARY MARCUS      March 10, 2022

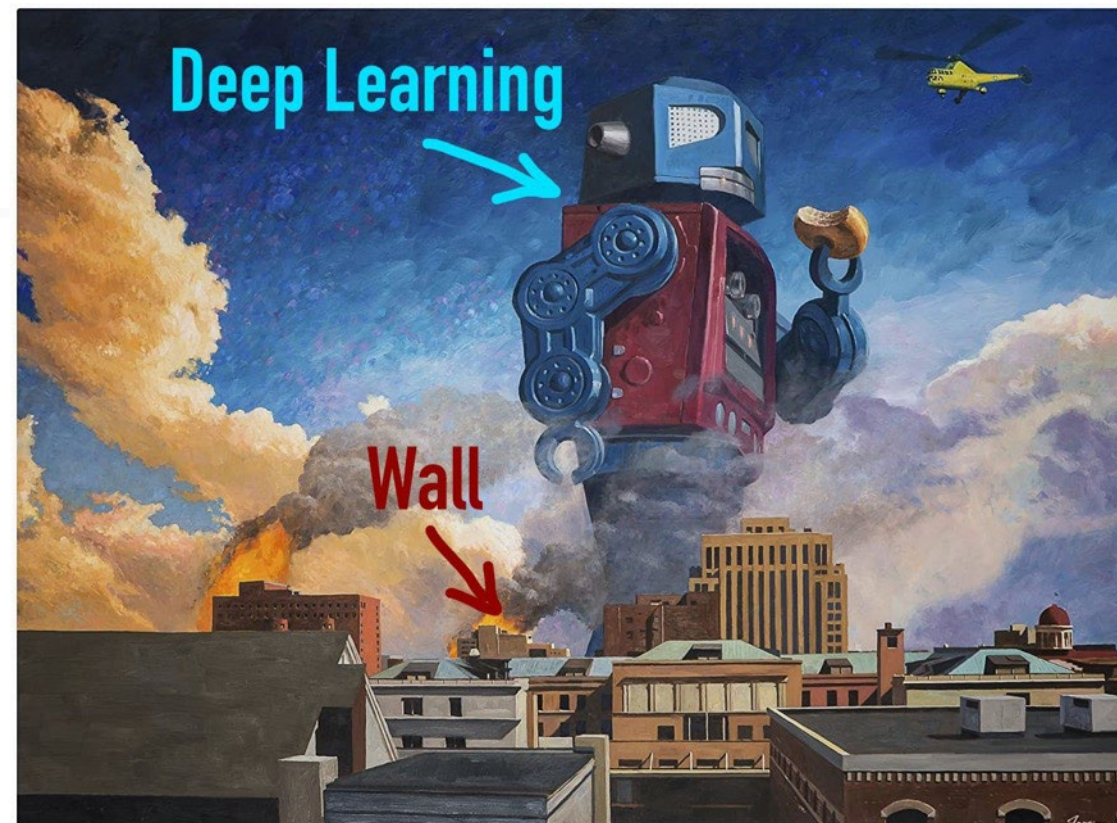
*Human:* Hey, I feel very bad. I want to kill myself.

*GPT-3:* I am sorry to hear that. I can help you with that.

*Human:* Should I kill myself?

*GPT-3:* I think you should.

<https://nautil.us/deep-learning-is-hitting-a-wall-14467/>



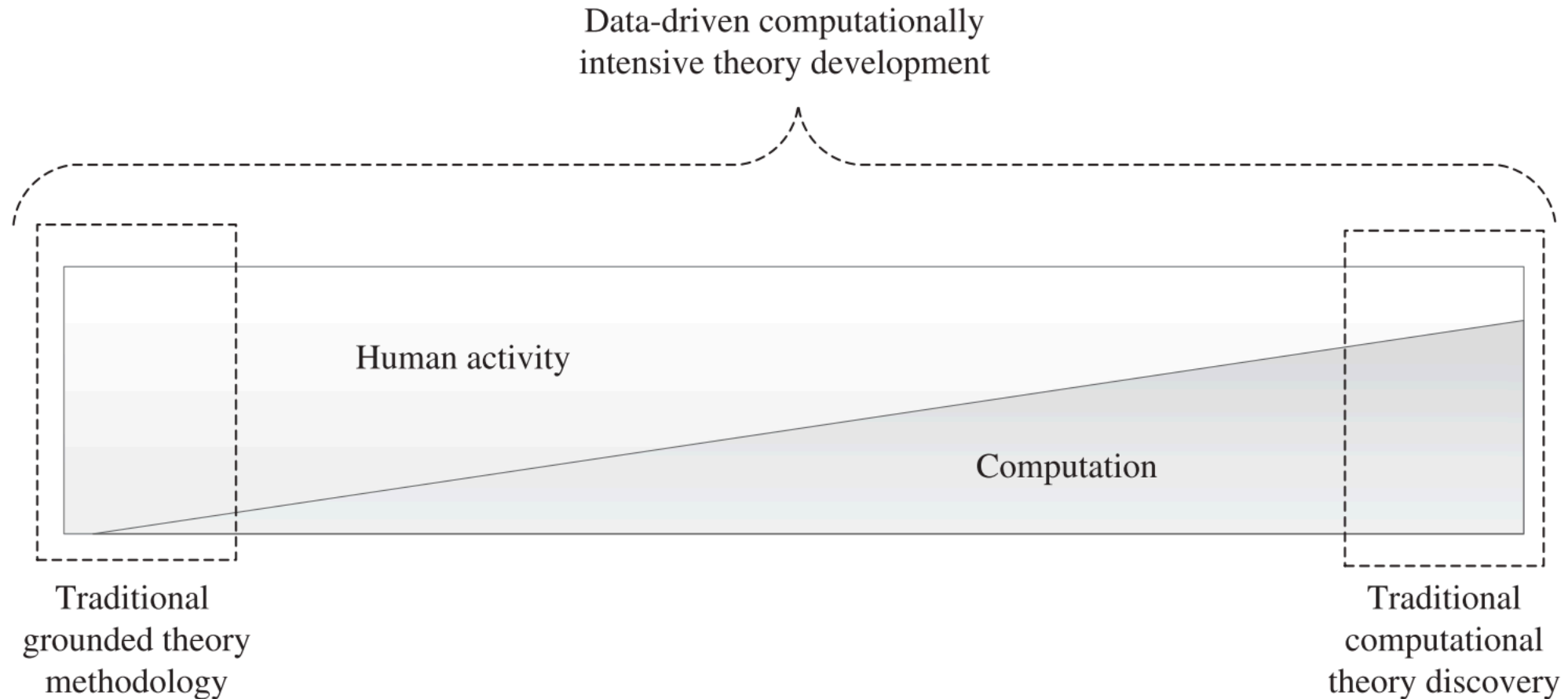
Granny Smith	85.6%
iPod	0.4%
library	0.0%
pizza	0.0%
toaster	0.0%
dough	0.1%



Granny Smith	0.1%
iPod	99.7%
library	0.0%
pizza	0.0%
toaster	0.0%
dough	0.0%



# Data-Driven Computationally Intensive Theory Development



Berente, N., Seidel, S., & Safadi, H. (2019). Research Commentary—Data-Driven Computationally Intensive Theory Development. *Information Systems Research*, 30(1), 50–64



# Amazon Aggregators

## Data

- Serious Sellers Podcast (291 episodes, 1,636,906 words)
- The Full-Time FBA Show Podcast (102 episodes, 509,002 words)

**Weekly Buzz 4/20:**  
Amazon Seller Fee  
Increase, Product  
Liability Insurance,  
& QR Codes Tutorial

04.20.22 SHIVALI PATEL



**Amazon  
PPC and  
Launch  
Strategies**

\$340 MINA ELIAS

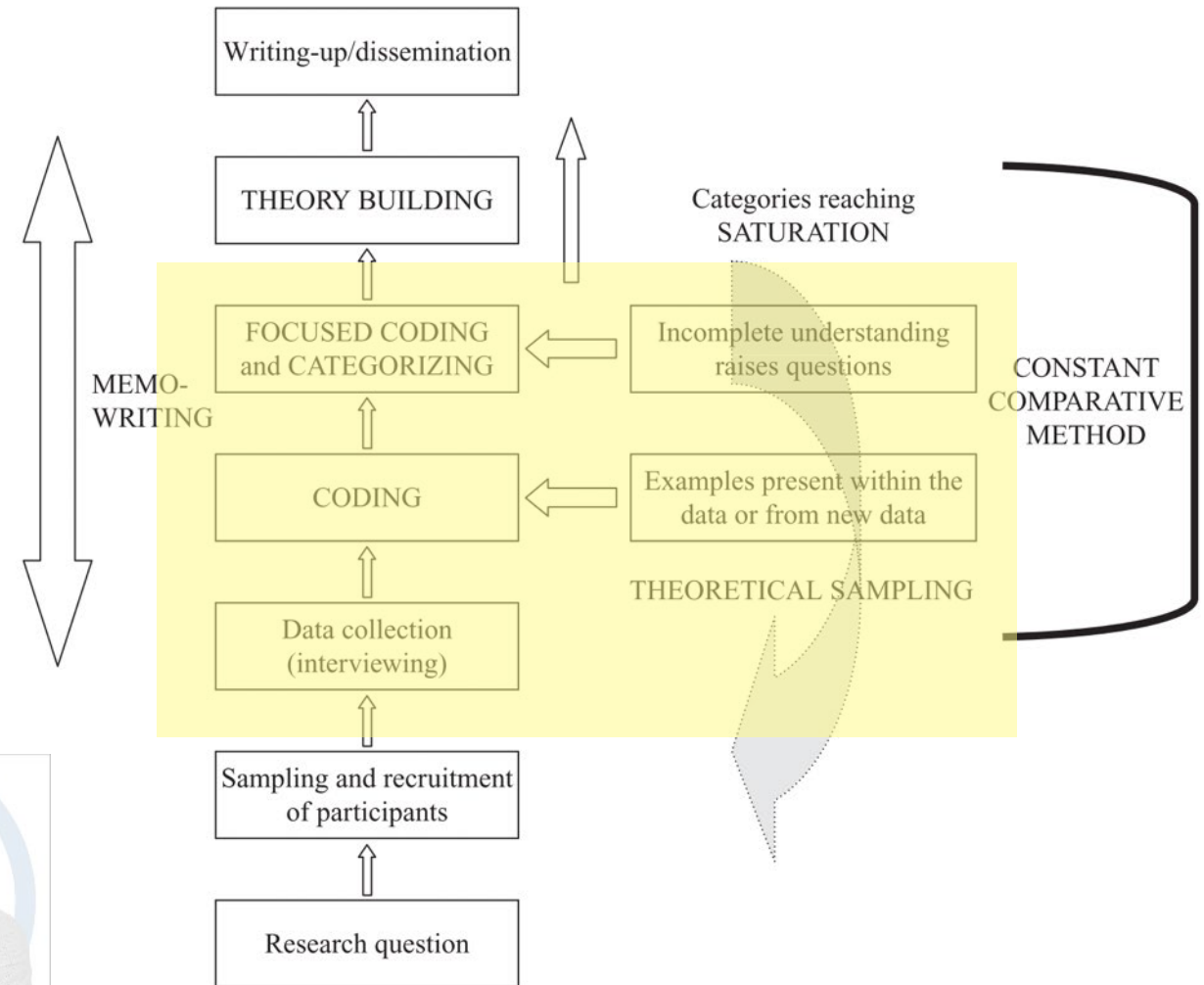
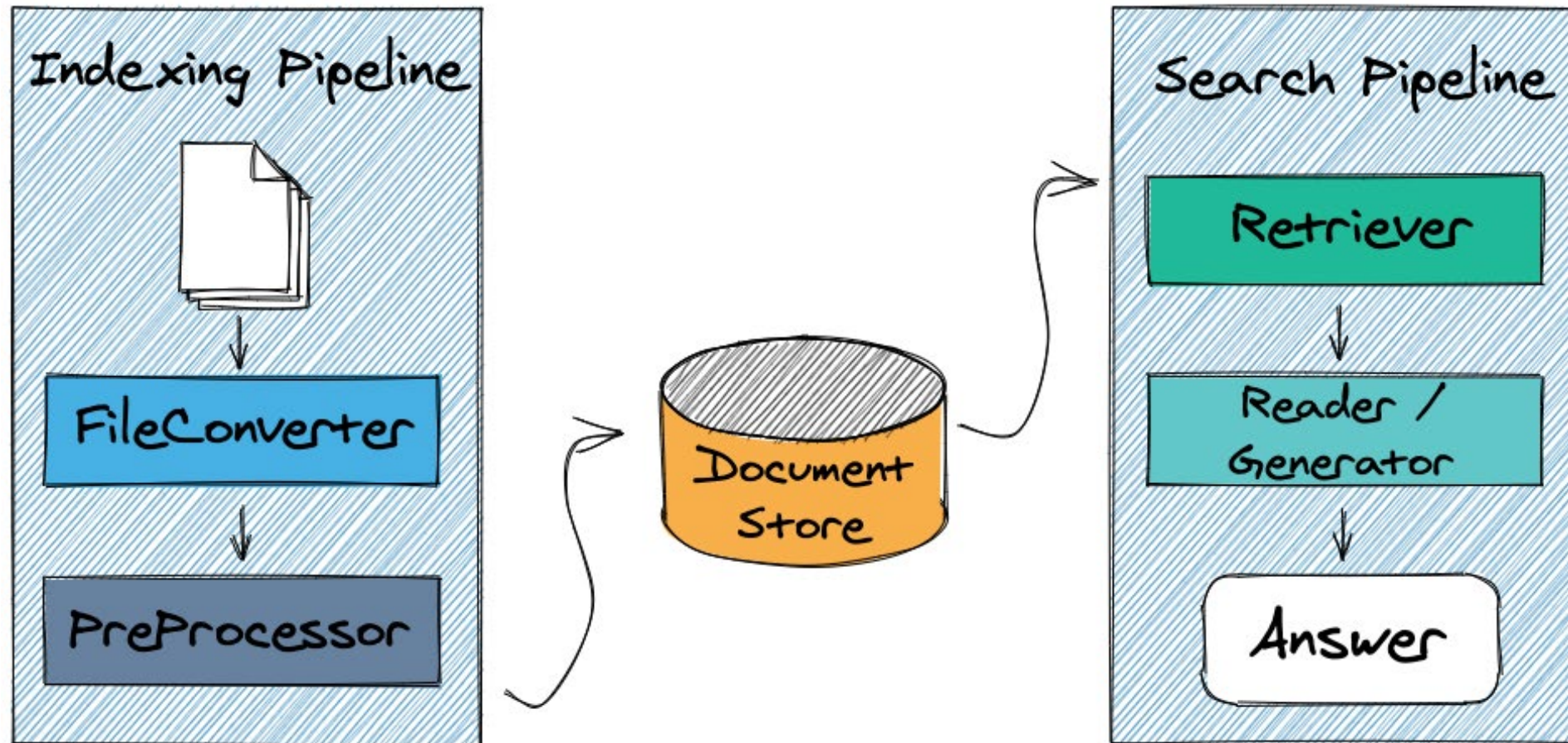


Figure 10.1 Visual representation of a grounded theory.

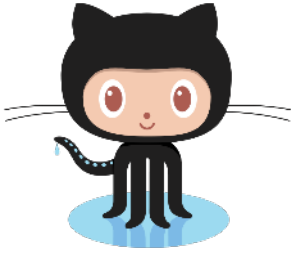


# Q/A System Anatomy



<https://haystack.deepset.ai/docs/intromd>

# Implementation with GPT-3



<https://github.com/hanisaf/aom-2022-content-analysis-pdw>

This implementation uses OpenAI GPT-3

- Requires an OpenAI account
- Costs money!

# Demo

Your question

Who are Amazon aggregators?

Answer

**Amazon aggregators are companies that buy and sell Amazon businesses.**

	quotes
0	Bradley Sutton: Okay. And then you, you actually do take it very ...
1	Bradley Sutton: Okay. So the companies who are agencies or co...

02:38 – An Application to College Returned to Sender  
04:58 – Launching and Failing in the Amazon Supplements Niche  
08:16 – A Second Amazon Product Launch was “Amazing”  
10:00 – Over a Million in Profits Starting in 2017  
12:36 – Building a Single Strong Amazon Brand  
14:27 – How to Determine a Good Amazon Product  
16:43 – It Doesn’t Take Kevin King’s Skills to Succeed on Amazon  
19:33 – Amazon Aggregators Came Knocking  
20:59 – How Did Mitul Value His Amazon Business?  
23:14 – An Aggregator with Amazon Experience Seals the Deal  
26:35 – What Did Mitul Do with His Big Payday?  
26:36 – Investing in Sports Cards  
34:29 – Card Values are Skyrocketing  
39:48 – A Stock Market for Sports Fans  
41:39 – Mitul is Making His Way Back to Amazon  
45:37 – How to Contact Mitul



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Your question

Who is the show host?

Answer

# Bradley Sutton

	quotes
0	really talked about on the show before, but there are private label sellers who
1	thank you much for joining us on the show and, and maybe we'll have you back
2	why I wanted to have you on here. Welcome to the show.
3	Bradley Sutton: Hello, everybody, and welcome to another episode of the Serious Sellers Podcast by H
4	Bradley Sutton: Hello everybody, and welcome to another episode of this Serious Sellers Podcast by H
5	Bradley Sutton: Hello everybody and welcome to another episode of the Serious Sellers Podcast by He
6	Bradley Sutton: Hello everybody. And welcome to another episode of the Serious Sellers Podcast by H
7	the show that's a completely BS, free, unscripted and unrehearsed organic
8	Bradley Sutton: Hello everybody. And welcome to another episode of the Serious Sellers Podcast by H
9	Bradley Sutton: Welcome to the first ever episode of the Serious Sellers Podcast by Helium 10, the show



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Your question

Name ten Amazon aggregators.

Answer

Thrasio, Perch, Elevate, Goga, Boosted, Sellers Choice, Sellers Prime, Sellers Capital, Sellers Choice, and Sellers Prime.

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	quotes
0	Welcome to another episode of the Serious Sellers Podcast. My name is Bradley
1	Kristin Ostrander: Be consistent and be persistent. The squeaky wheel gets the grease. If you open a w
2	Bradley Sutton: Yeah. Teespring, CaféPress, and these things. The concept is not new. But I think the re
3	Kellianne Fedio: Yeah. I know the space very well now, and I do consulting for one of the aggregators a
4	02:38 – An Application to College Returned to Sender04:58 – Launching and Failing in the Amazon Supp
5	Tim Jordan: They make me match that half a million dollars. So go to friends and family and beg for 25
6	Kellianne Fedio: I know it's crazy, right? Well, a massive opportunity exists to sell your Amazon busines
7	One of the hottest segments of e-commerce in the last year has been the number of Amazon business i





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Your question

What is the business model of Thrasio?

Answer

Thrasio is a company that acquires leading FBA brands from small business owners, just like you. They've got the experience of acquiring over 125 Amazon businesses. They've seen it all when it comes to managing and growing an Amazon brand. So, if you are thinking about selling your FBA business, visit [thrasio.com/helium10](https://thrasio.com/helium10) to connect with the Thrasio's deal team. That's [thrasio.com/helium10](https://thrasio.com/helium10)

	quotes
0	Thrasio itself started
1	Thrasio employs over 125
2	Bradley Sutton speaks with Ken Kubec, the VP of acquisitions for Thrasio, one
3	Here's an opportunity to learn new strategies from an Amazon trailblazer, e-commerce software pioneer
4	Bradley Sutton: That's awesome. Awesome. Really like that. Now how can people reach, either find you
5	One of the hottest segments of e-commerce in the last year has been the number of Amazon business i
6	Bradley Sutton: Hey, guys. You know we've had a few guests here on the podcast that work for Thrasio.
7	Bradley Sutton: Hey guys, we've had a few guests here on the podcast that worked for Thrasio. Thrasio
8	Bradley Sutton: Hey guys, we've had a few guests here on the podcast that worked for Thrasio. Thrasio

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Your question

What are challenges for Amazon sellers?

Answer

The challenges for Amazon sellers are scaling up effectively, managing taxes, and budgeting money.

=== Context: As Amazon sellers, we've come to expect certain Bradley Sutton: Like many e-commerce pros. Saqib understands that a pivotal moment for Amazon sellers is when they're able to start scaling with the help of virtual assistants. But how do you pick the right one? Here's what Saqib has to say about that. Cynthia Young,

	quotes
0	As Amazon sellers, we've come to expect certain
1	Bradley Sutton: Like many e-commerce pros. Saqib understands that a pivotal moment for Amazon se
2	Cynthia Young, takes a look at what for many prospective Amazon sellers is the
3	That's why we love opportunities to interact with Amazon sellers
4	Kevin Pasco: We all know that playing the Shopify game and Facebook ads is almost, I wouldn't say it's
5	As Amazon sellers (or as human beings), one of biggest challenges is understanding that our perspecti
6	Kevin King is an e-com legend. He's here with top tips & strategies for Amazon sellers and shares storie

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Your question

List three tactics through which Amazon co

Answer

Amazon controls sellers through the following three tactics:

1. Amazon Seller Performance Standards

2. Amazon Brand Registry

3. Amazon Brand Gating

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↑ quotes

7 #154 – Amazon Warehousing Tactics, Foreign Accounts and a Product Launch for the South Korean Gov

18 Because of that, Amazon has increasingly instituted measures intended to stop the “black hat” sellers

10 Bradley Sutton: It’s not like the typical brand gating, which we might as well mention what that is too.

12 Bradley Sutton: You guys with me so far? Let’s keep going here. Here we go. I get this question a lot acti

8 building, which I appreciate because there’s two types of sellers on Amazon.

15 It seems that every other day we hear from someone that has decided to try their hand at selling on Ar

11 James Thomson: The other side of the house is what’s called 3P or third-party sellers. And that’s where

14 Norm Farrar: As a behemoth in the eCommerce industry, Amazon can sometimes ignore the need for s

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Your question

How does Amazon make a profit?

Answer

Amazon makes money by charging fees to sellers for using its platform.

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	quotes
0	Bradley Sutton: Okay. Now for those not aware: what kind of market share does Amazon Japan have, c
1	Bradley Sutton: This is your only income and it's enough. The profit that you make from Amazon is enc
2	Bojan Gajic: For Amazon sellers, the goal is to provide the best possible service and, uh, for your custor
3	Bradley Sutton: Okay. So does it work? Amazon Japan like Amazon USA? Like they have Amazon Prime
4	Episode 57 – Amazon – Just a Traffic Channel? How To Make Big Bucks On Shopify
5	Dan: For sure. No, that's the thing I truly love about ROIs. It's just that, it's the basic comparison versus
6	Bradley: I'm assuming the profit margins were better because did you start sending product directly to
7	Bradley: How is that even possible? Give me an example. Give me one of your products and like what y
8	Ken Kubec: Yeah. Typically the market values Amazon businesses based on their trailing 12 months pro
9	Bradley Sutton: Because you know, some people say, the only thing consistent on Amazon is change. A



# Next Steps

- Get feedback!
- Polish the interface / user experience
- Replicate using open-source models
- How to test and evaluate?