

# Political Trends on Reddit

An Analysis of the Subreddits:

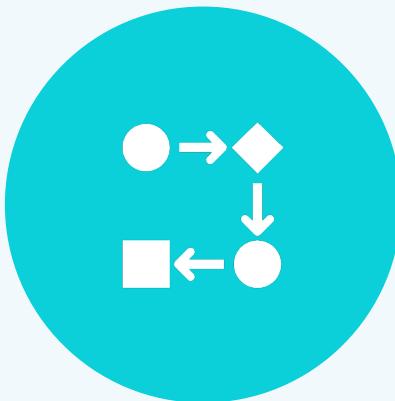
r/Republican

r/democrats

# Overview



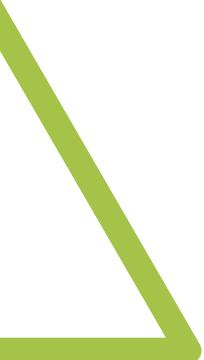
BRIEF INTRODUCTION  
ON THE DATA



PROCESS



FINDINGS



Before we begin...



# Game Show

# Who Said It!

A Game Show That Isn't a  
Game Show and Is Actually a  
Data Science Presentation.

# Rules



1. Silence is key
2. Enjoy the show



# How to Play



# **Who Said It!**

**Round 1**

# Who Said It!

**"Trump doesn't have to spend a dime on any anti-Biden material. Sanders supporters do it all for him."**

The background features a string of colorful, cloud-shaped ornaments hanging from black strings. The ornaments are in various colors including red, blue, green, yellow, orange, and teal. They are slightly out of focus, creating a festive or celebratory atmosphere.

**Who Said It!**

**r/democrats**



Who Said It!

Round 2

# **Who Said It!**

**'House Dem closing argument:  
Only guilty people assert their  
rights and insist on judicial  
review, or something'**

The background features a decorative garland of colorful, cloud-like speech bubbles hanging from black strings. The bubbles are in various colors including red, blue, green, yellow, orange, and teal, and are partially visible behind the central orange bubble.

**Who Said It!**

**r/Republican**



Who Said It!

Round 3

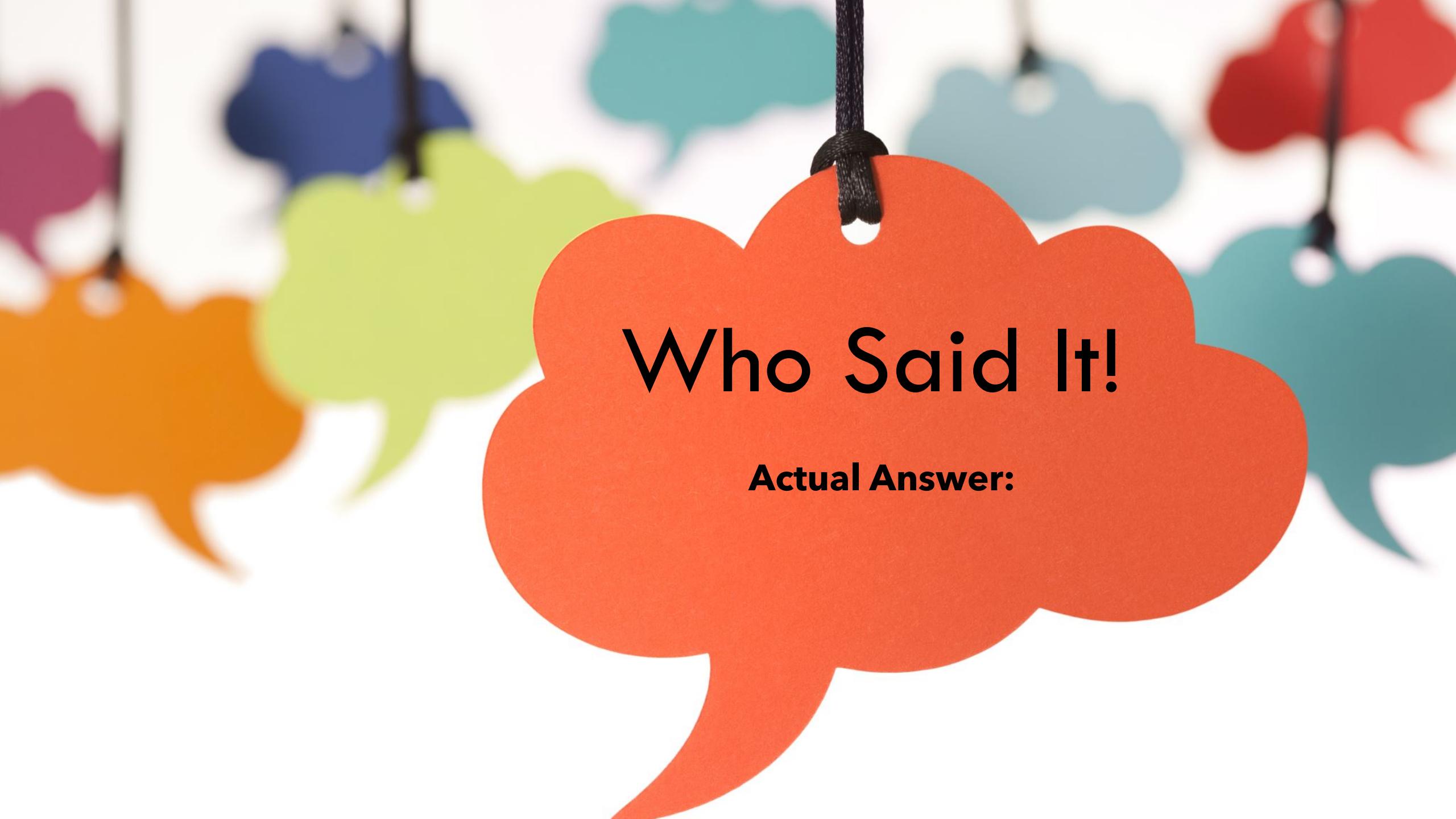
# **Who Said It!**

**'Have the left side  
statistically speaking done  
good?'**

The background features a decorative garland of colorful, cloud-like speech bubbles hanging from black strings. The bubbles are in various colors including red, blue, green, yellow, orange, and teal, and are partially visible behind the central orange bubble.

**Who Said It!**

**r/Republican**



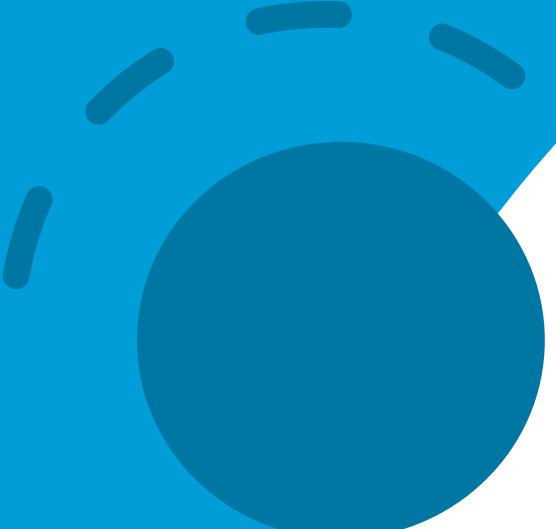
Who Said It!

**Actual Answer:**

The background features a string of colorful, cloud-shaped ornaments hanging from black strings. The ornaments are in various colors including red, blue, green, yellow, orange, and teal. They are slightly out of focus, creating a festive or celebratory atmosphere.

**Who Said It!**

**r/democrats**



**What Just Happened?**



r/Republican

111k

Members

/r/Republican is a partisan subreddit. This is a place for Republicans to discuss issues with other Republicans.

210

Online



r/democrats

131k

Members

139

Online

The Democratic Party is fighting for a country where everyone, from every walk of life, has an equal chance at the American dream. This su...

# Republicans

		word	coef	probs
10		abortion	4.716217	0.991130
736		china	4.387038	0.987715
3263		president trump	3.050723	0.954814
1592		fbi	2.643100	0.933584
2646		medium	2.530768	0.926271
1674		flynn	2.526636	0.925988
2498		lockdown	2.345510	0.912577
304		baby	2.237750	0.903589
3772		schiff	2.093378	0.890258
3043		parenthood	1.949241	0.875364

# Democrats

		word	coef	probs
595		buttigieg	-3.177571	0.040019
3718		sander	-2.987040	0.048015
374		bernie	-2.599424	0.069176
3292		primary	-2.588158	0.069904
578		btrtn	-2.587885	0.069922
4737		warren	-2.570761	0.071044
505		bloomberg	-2.526230	0.074040
4671		voter	-2.471025	0.077915
1312		dnc	-2.380503	0.084672
2644		medicare	-2.294057	0.091616

# Logistic Regression

	Predict r/democrats (y=0)	Predict r/Republican (y=1)
Actual r/democrats (y=0)	2106	1024
Actual r/Republican (y=1)	953	2311

Classification Metrics	Scores
Accuracy	69%
Sensitivity	71%
Specificity	67%
Precision	69%

