1. Since the data set only has 48 state data map function cannot be used directly => Manually added geometry, lat, long deta to the dataset. states data + state-st = states_alata-st (geometry) Leaflet characteth: - Challenger: adding the ABBR on the Static geomap, solved by manually adding (Solved) about to the dataset - tweek the legend for expenditure =) Fail to make it shiry because of the legand simple leaflet him/ plot for displaying dog is. Cat population ratio in 2022 - change the Pal multiple times in order to |ceep the palette consistent and obvious & * express sentiment & unwitims. eg. adoption - return rates is past wanna make the stage w/ highest return rates obvious Adjust the UI height too 600, put the legan at the bottom right it we finally merge 2 shiny apps to one, how to embed the him leaflet ? (Dog is Cat population) embed html to the main dashboard title? html link

Part 2 = Reddit Data Analysis & DV
as the data (So nard !!!!)
0: Registered for Reddit API to directly fetch dota
Step 1: How to you must be directly fetch dota 0: Registered for Reddit API to directly fetch dota =) Failed, due to connection issues. (i)
C 1 a line for exicting lade
Dearched On line for existing to be stricter Even worse, Recent updates to Redolit's terms imposed stricter data retrieval limits and robust anti-Scraping measures
a Lound a script for the real time data scraping
- C nock but not access his
4) Further efforts: Combined Several online code example.
(4) Further efforts limits too record, within a year.
Further efforts: Combined Sovered on within a year. Sold for some past data, limits loop record, within a year. Hurger caparte loops to extract data by year, month, week
Get some past data, limits 1000 reeding, within given yes trictions. Final Strategy = Created three Separte Loops to extract . data by year, month, week This is the maximum data collection. within given yes trictions. This is the maximum data collection.
Step 2 = Data cleaning O remove duplicates, special characters, space O remove duplicates, special characters, space
remove basic stop word of name articles from a pot-focused website.
remove basic stop word & name Extracted three detailed. articles from a pet-focused website. Clean this three. txt, just like what I did in a clean this three. txt, just like what. I did in a clean this three. txt, just like what.
(Clean this three txt) just the words.
Clean this three. txt) just the Clean this type of the Clean thi
4 Clean data again.
Step9 = Data Analysis
1. Topic Model =) using Data 2023 /04-2024/04
1) Creat DTM
@ using LDA to get topic. Words. (5)
3 Calculate topic word Frequency
@ Calculate. Convenent Score.

2. Topic Trend Analysis = using data segmenting into season

Just do what 1. Topic Model drd for each Season. Step 5 Data Visualization (=) Shiny! Trend Topic Model

Topic Model

Coherent Score Sove

Word Cloud Topic

Topic Model

Topic