

# **Coursera Capstone**

IMB Applied Data Science Capstone

*Characterization of states and cities in the US*

# 1. Introduction

Moving to a new location (whether for a new job or for new business) can be a daunting task, especially if you do not know much about the different cities. In the US, there are about 20,000<sup>1</sup> cities across 50 states, all unique in their own ways.

A city can be characterized in numerous ways, including but not limited to size, population, ethnic diversity, political orientation, cultural enrichment, etc. Here, we will explore the many aspects of cities and states in the US.

## Target Audience

Anyone interested in learning about different aspects of different cities and states in the US would find this analysis helpful.

# 2. Data

## Parler

Following the “Capitol insurrection” on Wednesday, 1/6, tens of thousands of QAnon-linked accounts were banned on Twitter. With Donald Trump’s account banned from Twitter, Facebook, and Instagram, many of Trump’s followers migrated to Parler, the “free speech” platform known for hosting far-right content, their alternative. However, due to violent, racist posts on Parler, the app was soon removed from Google and Apple’s app stores, as well as refused hosting services from Amazon Web Services (among other cloud platforms), effectively erasing it from the internet. While this was welcomed by many, it also meant that months of posts that could be used to “understand” the attack on the Capitol would also be erased. Fortunately, all the data on Parler were accessible via public API, even posts and videos that were supposedly deleted. A self-described hacker by the Twitter handle donk\_enby downloaded more than 56.7 terabytes of data from Parler with the help of amateur data hoarders that volunteered their bandwidth.

Specifically, the data used here are GPS data of videos on Parler and were downloaded from <https://gist.github.com/kylemcdonald/8fdabd6526924012c1f5afe538d7dc09> on Jan 13, 2021.

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<sup>1</sup> Statista (<https://www.statista.com/statistics/241695/number-of-us-cities-towns-villages-by-population-size/>)