

Hike Finder

Build an app that recommends National Park hiking trails based on your mood _____

Data

Scrape NPS (trail descriptions, duration, location)

Model

Classification to predict the "best match" trail

App

Dropdown feature for mood and park location

Data Details

Upper Emerald Pools Trail

Lower Emerald Pool Trail

Hike the Deep Creek Waterfalls Loop

Kayenta Trail

Grotto Trail

Pa'rus Trail

Bear Lake

Canyon Overlook

1966 Hiking Challenge

Williams Hollow Loop Hike

Hike Porters Creek Trail

Example data pull output using Google Colab Notebook

activity

Hiking

1-2 Hours Winter, Spring, Summer, Fall

1-2 Hours Winter, Spring, Summer, Fall

Spring, Summer, Fall

Cummar Fall

1-2 Hours

2-3 Hours

1-5 Hours

1-3 Hours

45-90 Minutes

15-45 Minutes

30-120 Minutes

parkName

Zion National Park

Great Smoky Mountains National Park

Great Smoky Mountains National Park

Rocky Mountain National Park

Indiana Dunes National Park

Vallauratana National Dark

Pea Ridge National Military Park

states

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NC,TN

NC,TN

O.K			
season	duration	shortDescription	title
Winter, Spring, Summer, Fall	1-2 Hours	The Watchman trail is out-and-back. From the r	Watchman Trail
Winter, Spring, Summer, Fall	3-4 Hours	The strenuous West Rim Trail ascends ~1,000 ft	West Rim to Scout Lookout
Winter, Spring, Summer, Fall	30-60 Minutes	Follows a ridge to views of Timber Creek, Kolo	Timber Creek Overlook
Winter, Spring, Summer, Fall	3-4 Hours	Kolob Canyons hike. Follows the Middle Fork of	Taylor Creek Trail
Winter, Spring, Summer, Fall	1-4 Hours	The Sand Bench Trail travels atop the remains \dots	Sand Bench
Winter, Spring, Summer, Fall	1-2 Hours	The Riverside Walk is a relatively flat and pa	Riverside Walk
Winter, Spring, Summer, Fall	1-2 Hours	Middle Emerald Pools Trail is a moderate hike	Middle Emerald Pools Trail

Upper Emerald Pools Trail is a moderate, 1 mil...

Lower Emerald Pool trail is a rough, paved tra...

The moderate, 2.0 mi (3.2 km) Kayenta Trail fo...

The trail connects the Zion Lodge to the Grott...

Pa'rus is Paiute for "bubbling water." The Pa'...

Long drop-offs, mostly fenced. Rocky and uneve...

See three waterfalls on a loop around the Deep...

Bear Lake is seen in winter and spring. This I...

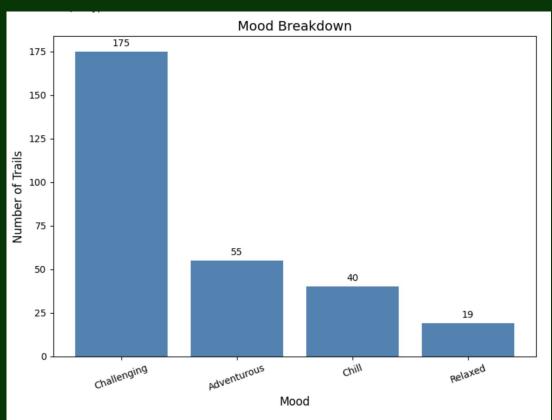
Hiking at Pea Ridge National Military Park is ...

Like through forest to the emistel electricator

Porters Creek is a peaceful trail that is fill...

The 1966 Hiking Challenge is comprised of 19 h...

Exploratory Data Analysis



Mood	Duration
Relaxed	≤ 45 min
Chill	46–120 min (≤ 2 hrs)
Adventurous	121–240 min (2–5 hrs)
Challenging	> 240 min



