

ETL Project - National Parks

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Data Sources

National Park Trails : Kaggle - <https://www.kaggle.com/planejane/national-park-trails>

Biodiversity in National Parks: Kaggle (Includes parks and species datasets) - <https://www.kaggle.com/nationalparkservice/park-biodiversity>

US National Parks Visitation 1904 - 2016 (with boundaries): Data World - <https://data.world/inform8n/us-national-parks-visitation-1904-2016-with-boundaries/discuss/national-parks-totals-by-year/g44tenrr>

North American Bear Attacks: Data World - <https://data.world/ajsanne/north-america-bear-killings>

Transformation

Pandas/ Jupyter Notebooks / SQLAlchemy (common methods)

- `import pandas as pd`
- `from sqlalchemy import create_engine`
- `visitors_df = pd.read_csv(visitors_file)`
- `rename(columns={'Name': 'name', 'age': 'age', 'Date': 'date'})`
- `species_df.reset_index(drop=True)`
- `connection = "postgres:postgres@localhost:5432/national_parks_db"`
- `engine = create_engine(f'postgresql://{connection}')`
- `df.to_sql(name='', con=engine, if_exists='append', index=True)`

Transformation (Challenges)

Bear Attacks

- `'age': 'age',`
- `bear_attacks_df['location'].str.contains('National Park', case=True, regex=False)`
- `in_parks_df['location'].str.split(',').str[0]`

Visitation

- `YearRaw - Non-numeric 'Total' value`
- `Unit Type - Also contained national monuments and forests`

Transformation (Challenges)

Park Trails

- Removed data where trail is not located in National Park
- Ensured park name consistency with master park list
- Cells containing multiple values

Transformation (Normalization)

_geoloc	features	activities
{'lat': 60.18852, 'lng': -149.63156}	['dogs-no', 'forest', 'river', 'views', 'waterfall', 'wild-flowers', 'wildlife']	['birding', 'camping', 'hiking', 'nature-trips', 'trail-running']
{'lat': 63.73049, 'lng': -148.91968}	['dogs-no', 'forest', 'views', 'wild-flowers', 'wildlife']	['birding', 'camping', 'hiking', 'nature-trips', 'walking']
{'lat': 60.18879, 'lng': -149.631}	['dogs-no', 'partially-paved', 'views', 'wildlife']	['hiking', 'walking']
{'lat': 63.73661, 'lng': -148.915}	['dogs-no', 'forest', 'lake', 'kids', 'views', 'wild-flowers', 'wildlife']	['birding', 'hiking', 'nature-trips', 'trail-running', 'walking']
{'lat': 63.73319, 'lng': -148.89682}	['dogs-no', 'lake', 'views', 'wild-flowers', 'wildlife']	['birding', 'fishing', 'hiking', 'nature-trips', 'trail-running']
{'lat': 63.80507, 'lng': -148.95336}	['dogs-no', 'forest', 'views', 'wildlife']	['hiking', 'nature-trips']
{'lat': 63.73056, 'lng': -148.91955}	['dogs-no', 'forest', 'views', 'wild-flowers', 'wildlife']	['birding', 'hiking', 'nature-trips', 'trail-running', 'walking']
{'lat': 63.73043, 'lng': -148.91922}	['dogs-no', 'forest', 'views', 'wild-flowers', 'wildlife']	['birding', 'hiking', 'nature-trips', 'trail-running', 'walking']
{'lat': 63.73128, 'lng': -148.9171}	['dogs-no', 'forest', 'lake', 'views', 'wild-flowers', 'wildlife']	['birding', 'hiking', 'nature-trips', 'trail-running', 'walking']
{'lat': 63.49541, 'lng': -150.88137}	['forest', 'views', 'wildlife']	['hiking']
{'lat': 63.88374, 'lng': -149.26764}	['dogs-no', 'lake', 'views', 'wildlife']	['birding', 'hiking', 'nature-trips', 'walking']
{'lat': 58.45462, 'lng': -135.88312}	['historic-site', 'river', 'wild-flowers', 'wildlife']	['backpacking', 'camping', 'hiking', 'nature-trips']
{'lat': 63.52451, 'lng': -150.96072}	['dogs-no', 'kids', 'views', 'wild-flowers', 'wildlife']	['birding', 'hiking', 'nature-trips', 'walking', 'sea-kayaking']
{'lat': 63.52451, 'lng': -150.96072}	['dogs-no', 'forest', 'views', 'wildlife']	['hiking', 'trail-running']
{'lat': 63.73334, 'lng': -148.89618}	['dogs-no', 'forest', 'kids', 'views', 'wild-flowers', 'wildlife']	['birding', 'hiking', 'nature-trips', 'walking']
{'lat': 63.73034, 'lng': -148.91945}	['forest', 'kids', 'wildlife']	['hiking', 'trail-running']
{'lat': 63.52444, 'lng': -150.96015}	['dogs-no', 'views']	['hiking', 'trail-running', 'canoeing']

Dictionary

List

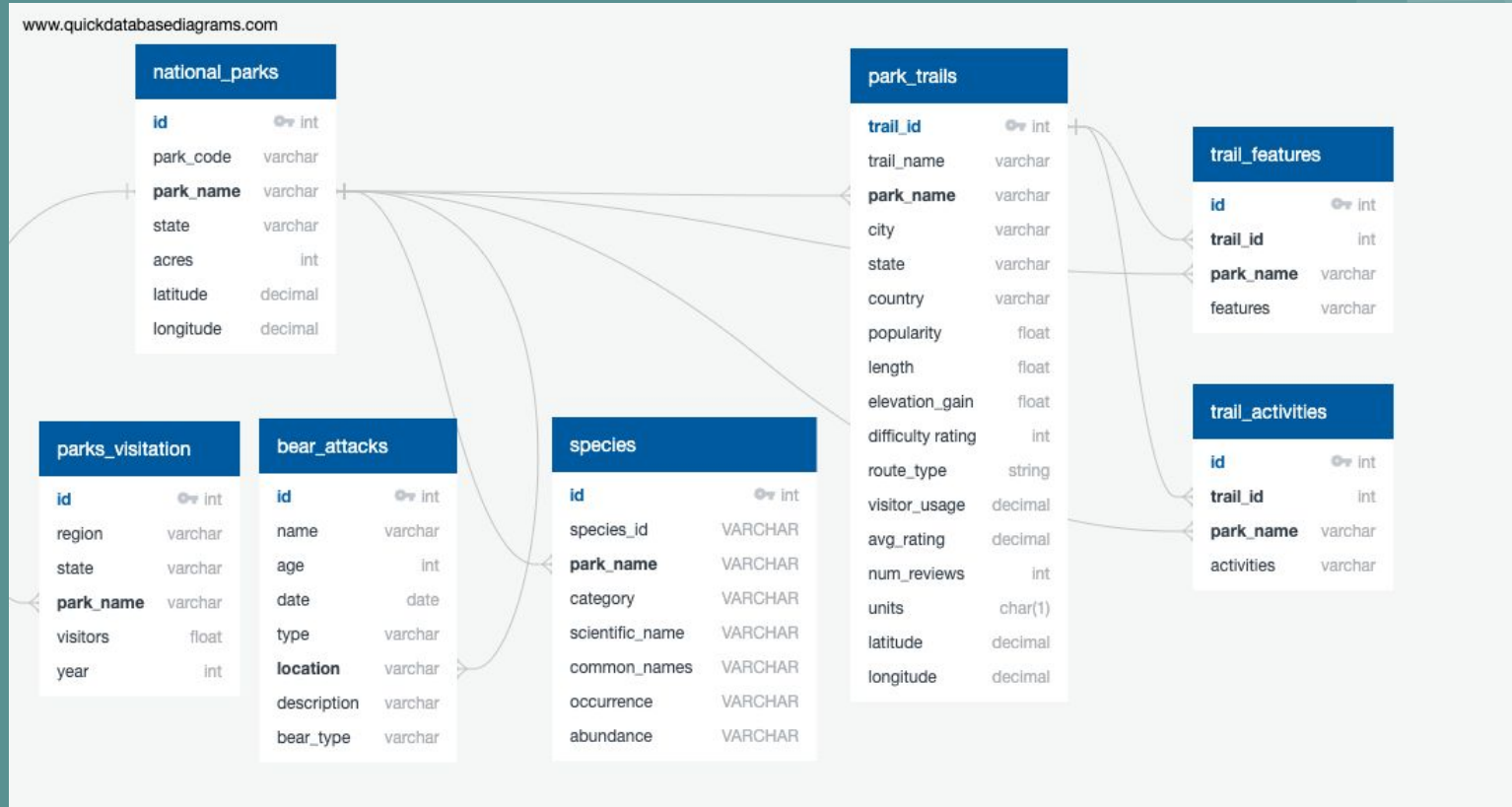
List

Transformation (Normalization)









- Split “_geoloc” into separate latitude and longitude columns
- Split features and activities into separate tables
- Use foreign keys to link new tables to the park trails and national parks tables



ERD (Entity Relationship Diagram)



Final tables

- ✓  Tables (7)
 - >  bear_attacks
 - >  national_parks
 - >  park_trails
 - >  parks_visitation
 - >  species
 - >  trail_activities
 - >  trail_features

Data in nation_parks table

	id integer	park_code character varying (30)	park_name [PK] character varying (100)	state character varying (30)	acres integer	latitude numeric	longitude numeric
1	0	ACAD	Acadia National Park	ME	47390	44.35	-68.21
2	1	ARCH	Arches National Park	UT	76519	38.68	-109.57
3	2	BADL	Badlands National Park	SD	242756	43.75	-102.5
4	3	BIBE	Big Bend National Park	TX	801163	29.25	-103.25
5	4	BISC	Biscayne National Park	FL	172924	25.65	-80.08
6	5	BLCA	Black Canyon of the Gunnison Nati...	CO	32950	38.57	-107.72
7	6	BRCA	Bryce Canyon National Park	UT	35835	37.57	-112.18
8	7	CANY	Canyonlands National Park	UT	337598	38.2	-109.93
9	8	CARE	Capitol Reef National Park	UT	241904	38.2	-111.17
10	9	CAVE	Carlsbad Caverns National Park	NM	46766	32.17	-104.44
11	10	CHIS	Channel Islands National Park	CA	249561	34.01	-119.42
12	11	CONG	Congaree National Park	SC	26546	33.78	-80.78
13	12	CRLA	Crater Lake National Park	OR	183224	42.94	-122.1
14	13	CUVA	Cuyahoga Valley National Park	OH	32950	41.24	-81.55
15	15	DEVA	Death Valley National Park	CA, NV	4740912	36.24	-116.82
16	14	DENA	Denali National Park	AK	3372402	63.33	-150.5
17	16	DRTO	Dry Tortugas National Park	FL	64701	24.63	-82.87
18	17	EVER	Everglades National Park	FL	1508538	25.32	-80.93
19	18	GAAR	Gates Of The Arctic National Park	AK	7523898	67.78	-153.3
20	19	GWA	Gateway Arch National Park	IL, MO	193	38.63	-90.19
21	21	GLBA	Glacier Bay National Park	AK	3224840	58.5	-137.0
22	20	GLAC	Glacier National Park	MT	1013572	48.8	-114.0
23	23	GRCA	Grand Canyon National Park	AZ	1217403	36.06	-112.14
24	26	GRTE	Grand Teton National Park	WY	309995	43.73	-110.8

Data in bear_attacks table

	id [PK] integer	name character varying (40)	age integer	date date	type character varying (25)	location character varying (100)	description character varying	bear_type character varying (25)
1	0	Lance Crosby	63	2015-08...	Wild	Gates Of The Arctic National ...	Crosby, an employee at...	Brown bear
2	1	Richard White	49	2012-08...	Wild	Gates Of The Arctic National ...	White was backpackin...	Brown bear
3	2	John Wallace	59	2011-08...	Wild	Gates Of The Arctic National ...	Wallace's remains were...	Brown bear
4	3	Brian Matayoshi	57	2011-07...	Wild	Gates Of The Arctic National ...	Matayoshi and his wife...	Brown bear
5	4	Glenda Ann Bradley	50	2000-05...	Wild	Gates Of The Arctic National ...	Bradley was attacked a...	Black bear
6	5	Timothy Treadwell	46	2003-10...	Wild	Gates Of The Arctic National ...	Treadwell and Huguen...	Brown bear
7	6	Amie Huguenard	37	2003-10...	Wild	Gates Of The Arctic National ...	Treadwell and Huguen...	Brown bear
8	7	Craig Dahl	26	1998-05...	Wild	Gates Of The Arctic National ...	Dahl's partially consu...	Brown bear
9	8	Robert Bell	33	1996-08...	Wild	Gates Of The Arctic National ...	Bell was killed while hik...	Brown bear
10	9	Christine Courtney	32	1996-07...	Wild	Gates Of The Arctic National ...	Courtney was killed wh...	Brown bear
11	10	John Petranyi	40	1992-10...	Wild	Gates Of The Arctic National ...	Petranyi was killed by ...	Brown bear
12	11	Trevor Percy-Lancaster	40	1992-09...	Wild	Gates Of The Arctic National ...	Percy-Lancaster and hi...	Brown bear
13	12	Gary Goeden	29	1987-07...	Wild	Gates Of The Arctic National ...	Goeden's partially consu...	Brown bear
14	13	Charles Gibbs	40	1987-04...	Wild	Gates Of The Arctic National ...	Gibbs was last seen all...	Brown bear
15	14	William Tesinsky	38	1986-10...	Wild	Gates Of The Arctic National ...	Tesinkey, a photograph...	Brown bear
16	15	Brigitta Fredenhagen	25	1984-07...	Wild	Gates Of The Arctic National ...	Fredenhagen was drag...	Brown bear
17	16	Laurence Gordon	33	1980-09...	Wild	Gates Of The Arctic National ...	Gordon was killed at th...	Brown bear
18	17	Jane Ammerman	19	1980-07...	Wild	Gates Of The Arctic National ...	Their partially consum...	Brown bear
19	18	Kim Eberly	19	1980-07...	Wild	Gates Of The Arctic National ...	Their partially consum...	Brown bear
20	19	John Richardson	31	1971-07...	Wild	Gates Of The Arctic National ...	Richardson was attack...	Black bear
21	20	Alison Muser	5	1977-07...	Wild	Gates Of The Arctic National ...	Muser was mauled to d...	Brown bear
22	21	Mary Pat Mahoney	22	1976-09...	Wild	Gates Of The Arctic National ...	Mahoney was dragged ...	Brown bear
23	22	Alan Precup	25	1986-09...	Wild	Gates Of The Arctic National ...	Precup did not return a...	Brown bear
24	23	Barbara Chapman	24	1976-07...	Wild	Gates Of The Arctic National ...	While hiking with a frie...	Brown bear
25	24	Wilf Etherington	51	1973-09...	Wild	Gates Of The Arctic National ...	Etherington, a biologist...	Brown bear
26	25	Harry Walker	25	1972-06...	Wild	Gates Of The Arctic National ...	Walker was attacked b...	Brown bear
27	26	Julie Helgeson	19	1967-08...	Wild	Gates Of The Arctic National ...	While camping near th...	Brown bear
28	27	Michele Koons	19	1967-08...	Wild	Gates Of The Arctic National ...	Koons was camping wi...	Brown bear
29	28	Barbara Coates	7	1958-08...	Wild	Gates Of The Arctic National ...	While Coates was pickl...	Black bear

Data in park_trails table

	trail_id [PK] integer	trail_name character varying	park_name character varying (100)	city character varying	state character varying	country character varying	popularity double precision	length double precision	elevation_gain double precision
1	10000013	McKittrick Canyon Trail	Guadalupe Mountains Nation...	Salt Flat	Texas	United States	11.5435	32508.668	1330.7568
2	10000030	Dorr Mountain Ladder ...	Acadia National Park	Bar Harbor	Maine	United States	17.7959	4345.218	344.7288
3	10000049	Rendezvous Mountain ...	Grand Teton National Park	Wilson	Wyoming	United States	4.6573	11104.446	608.9904
4	10000054	Sourdough Ridge Natu...	Mount Rainier National Park	Ashford	Washington	United States	15.5555	6276.426	215.7984
5	10000147	Boston Run Trail	Cuyahoga Valley National Park	Peninsula	Ohio	United States	10.5799	4988.954	70.7136
6	10000246	Tuff Canyon Trail	Big Bend National Park	Big Bend National Park	Texas	United States	7.3866	1609.34	29.8704
7	10000324	Dark Hollow Falls Trail	Shenandoah National Park	Syria	Virginia	United States	30.6744	2253.076	171.9072
8	10000347	Acadia Mountain and ...	Acadia National Park	Mount Desert	Maine	United States	19.5693	5632.69	355.7016
9	10000353	Allen Hollow Trail	Shenandoah National Park	Elkton	Virginia	United States	1.7834	11426.314	391.9728
10	10000372	Valley Cove Trail	Acadia National Park	Mount Desert	Maine	United States	5.5627	4667.086	117.9576
11	10000412	Chasm Falls Trail via O...	Rocky Mountain National Park	Estes Park	Colorado	United States	15.6444	4023.35	141.732
12	10000482	Garfield Peak Trail	Crater Lake National Park	Crater Lake	Oregon	United States	30.6183	5471.756	325.8312
13	10000491	Firebrand Trail to Ole C...	Glacier National Park	East Glacier Park Village	Montana	United States	3.9817	36532.018	944.88
14	10000541	Sargent Mountain and ...	Acadia National Park	Mount Desert	Maine	United States	11.3439	7242.03	420.9288
15	10000644	Hazel Mountain, Sam's ...	Shenandoah National Park	Sperryville	Virginia	United States	8.0904	16898.07	752.856
16	10000669	Hidden Lake Trail	Glacier National Park	Siyeh Bend	Montana	United States	37.2892	8529.502	418.7952
17	10000685	Rainbow Falls Trail	Great Smoky Mountains Natio...	Gatlinburg	Tennessee	United States	45.0827	8851.37	503.8344
18	10000719	Cascade Canyon Trail	Grand Teton National Park	Moose	Wyoming	United States	39.53	15610.598	34.8144
19	10000722	Paintbrush Divide and ...	Grand Teton National Park	Alta	Wyoming	United States	14.8673	30899.328	1238.7072
20	10000730	Knife Edge Trail	Mesa Verde National Park	Mesa Verde National P...	Colorado	United States	7.0522	3218.68	46.9392
21	10000751	Seven Mile Hole Trail	Yellowstone National Park	Yellowstone National P...	Wyoming	United States	11.5255	15610.598	622.7064
22	10000811	Cape Royal Trail	Grand Canyon National Park	North Rim	Arizona	United States	12.4222	1609.34	19.812
23	10000825	Byron Ledge Trail from ...	Hawaii Volcanoes National P...	Pahala	Hawaii	Hawaii	0.5862	7081.096	123.7488
24	10000853	Humes Ranch Loop Trail	Olympic National Park	Port Angeles	Washington	United States	11.2113	9495.106	313.944
25	10000879	Mount Scott Trail	Crater Lake National Park	Chiloquin	Oregon	United States	23.6165	6759.228	383.7432
26	10000906	Elk Lake Trail	Olympic National Park	Lilliwaup	Washington	United States	7.8187	5632.69	147.828
27	10000998	Bush Mountain	Guadalupe Mountains Nation...	Salt Flat	Texas	United States	6.9119	20116.75	1085.6976

Data in parks_visitation table

	id [PK] integer	region character varying (10)	state character varying (2)	park_name character varying (50)	visitors double precision	year integer
1	1	PW	OR	Crater Lake National Park	1500	1904
2	2	PW	WA	Olympic National Park	2200	1935
3	3	NE	ME	Acadia National Park	64000	1919
4	4	IM	TX	Big Bend National Park	1409	1944
5	5	SE	FL	Everglades National Park	7482	1948
6	6	SE	NC	Great Smoky Mountains Nat...	154000	1931
7	7	MW	MI	Isle Royale National Park	2962	1940
8	8	PW	CA	Redwood National Park	34500	1971
9	9	NE	VA	Shenandoah National Park	694098	1936
10	10	IM	CO	Black Canyon of the Gunnis...	2592	1934
11	12	IM	UT	Arches National Park	500	1929
12	13	SE	FL	Dry Tortugas National Park	706	1937
13	14	IM	UT	Bryce Canyon National Park	21997	1929
14	15	IM	NM	Carlsbad Caverns National ...	1280	1924
15	16	IM	WY	Yellowstone National Park	13727	1904
16	17	PW	HI	Hawai'i Volcanoes National ...	16071	1921
17	18	PW	CA	Sequoia National Park	700	1906
18	19	SE	KY	Mammoth Cave National Pa...	57775	1936
19	20	IM	WY	Grand Teton National Park	51500	1929
20	21	IM	CO	Mesa Verde National Park	80	1908
21	22	PW	NV	Great Basin National Park	1968	1934
22	23	PW	CA	Channel Islands National Pa...	1200	1963
23	24	IM	UT	Canyonlands National Park	19400	1965
24	25	SE	FL	Biscayne National Park	78147	1972
25	26	IM	TX	Guadalupe Mountains Natio...	27100	1971
26	27	PW	CA	Kings Canyon National Park	1000	1904
27	28	IM	UT	Zion National Park	1814	1919
28	29	PW	HI	Haleakala National Park	62100	1960
29	30	IM	UT	Capitol Reef National Park	1500	1938

Data in species table

	id [PK] integer	species_id character varying	park_name character varying	category character varying	scientific_name character varying	common_names character varying	occurrence character varying	abundance character varying
1		0 ACAD-1000	Acadia National Park	Mammal	Aloes aloes	Moose	Present	Rare
2		1 ACAD-1001	Acadia National Park	Mammal	Odocoileus virginianus	Northern White-Tailed ...	Present	Abundant
3		2 ACAD-1002	Acadia National Park	Mammal	Canis latrans	Coyote, Eastern Coyote	Present	Common
4		3 ACAD-1004	Acadia National Park	Mammal	Vulpes vulpes	Black Fox, Cross Fox, E...	Present	Common
5		4 ACAD-1008	Acadia National Park	Mammal	Lutra canadensis	Otter, River Otter	Present	Common
6		5 ACAD-1009	Acadia National Park	Mammal	Martes pennanti	Blackcat, Fisher, Pekan	Present	Rare
7		6 ACAD-1011	Acadia National Park	Mammal	Mustela erminea	Bonaparte Weasel, Bon...	Present	Uncommon
8		7 ACAD-1012	Acadia National Park	Mammal	Mustela frenata	Long-Tailed Weasel, Ne...	Present	Uncommon
9		8 ACAD-1014	Acadia National Park	Mammal	Mustela vison	American Mink, Mink	Present	Uncommon
10		9 ACAD-1018	Acadia National Park	Mammal	Procyon lotor	Common Raccoon, Rac...	Present	Common
11		10 ACAD-1019	Acadia National Park	Mammal	Ursus americanus	Black Bear	Present	Occasional
12		11 ACAD-1020	Acadia National Park	Mammal	Eptesicus fuscus	Big Brown Bat, Commo...	Present	Uncommon
13		12 ACAD-1021	Acadia National Park	Mammal	Lasionycteris noctivag...	Silver-Haired Bat	Present	Unknown
14		13 ACAD-1022	Acadia National Park	Mammal	Lasiurus borealis	Eastern Red Bat, New Y...	Present	Occasional
15		14 ACAD-1023	Acadia National Park	Mammal	Lasiurus cinereus	Hoary Bat	Present	Unknown
16		15 ACAD-1024	Acadia National Park	Mammal	Myotis keenii	Keen's Myotis, Northern...	Present	Common
17		16 ACAD-1026	Acadia National Park	Mammal	Myotis lucifugus	Little Brown Bat, Little B...	Present	Common
18		17 ACAD-1028	Acadia National Park	Mammal	Lepus americanus	Snowshoe Hare, Varyin...	Present	Common
19		18 ACAD-1029	Acadia National Park	Mammal	Castor canadensis	American Beaver, Beav...	Present	Common
20		19 ACAD-1030	Acadia National Park	Mammal	Clethrionomys gapperi	Boreal Redback Vole, R...	Present	Common
21		20 ACAD-1033	Acadia National Park	Mammal	Peromyscus leucopus	White-Footed Mouse	Present	Common
22		21 ACAD-1034	Acadia National Park	Mammal	Peromyscus maniculat...	Deer Mouse	Present	Abundant
23		22 ACAD-1035	Acadia National Park	Mammal	Synaptomys cooperi	Cooper Lemming Mous...	Present	Rare
24		23 ACAD-1036	Acadia National Park	Mammal	Napaeozapus insignis	Woodland Jumping M...	Present	Rare
25		24 ACAD-1037	Acadia National Park	Mammal	Zapus hudsonius	Hudson Bay Jumping ...	Present	Uncommon
26		25 ACAD-1038	Acadia National Park	Mammal	Erethizon dorsatum	Hedgehog, Porcupine	Present	Common
27		26 ACAD-1042	Acadia National Park	Mammal	Glaucomys sabrinus	Mearns Flying Squirrel, ...	Present	Common
28		27 ACAD-1044	Acadia National Park	Mammal	Marmota monax	Groundhog, New Engla...	Present	Common
29		28 ACAD-1045	Acadia National Park	Mammal	Sciurus carolinensis	Eastern Gray Squirrel, G...	Present	Common

Data in trail_activities table

	 id [PK] integer 	trail_id integer 	park_name character varying (100) 	activities character varying 
1	1	10020048	Kenai Fjords National Park	birding
2	2	10020048	Kenai Fjords National Park	camping
3	3	10020048	Kenai Fjords National Park	hiking
4	4	10020048	Kenai Fjords National Park	nature-trips
5	5	10020048	Kenai Fjords National Park	trail-running
6	6	10236086	Denali National Park	birding
7	7	10236086	Denali National Park	camping
8	8	10236086	Denali National Park	hiking
9	9	10236086	Denali National Park	nature-trips
10	10	10236086	Denali National Park	walking
11	11	10267857	Kenai Fjords National Park	hiking
12	12	10267857	Kenai Fjords National Park	walking
13	13	10236076	Denali National Park	birding
14	14	10236076	Denali National Park	hiking
15	15	10236076	Denali National Park	nature-trips
16	16	10236076	Denali National Park	trail-running
17	17	10236076	Denali National Park	walking
18	18	10236082	Denali National Park	birding
19	19	10236082	Denali National Park	fishing
20	20	10236082	Denali National Park	hiking
21	21	10236082	Denali National Park	nature-trips
22	22	10236082	Denali National Park	trail-running
23	23	10241620	Denali National Park	hiking
24	24	10241620	Denali National Park	nature-trips
25	25	10236080	Denali National Park	birding
26	26	10236080	Denali National Park	hiking
27	27	10236080	Denali National Park	nature-trips
28	28	10236080	Denali National Park	trail-running
29	29	10236080	Denali National Park	walking

Data in trail_features table

	id [PK] integer	trail_id integer	park_name character varying (100)	features character varying
1		1	10020048	Kenai Fjords National Park
2		2	10020048	Kenai Fjords National Park
3		3	10020048	Kenai Fjords National Park
4		4	10020048	Kenai Fjords National Park
5		5	10020048	Kenai Fjords National Park
6		6	10020048	Kenai Fjords National Park
7		7	10020048	Kenai Fjords National Park
8		8	10236086	Denali National Park
9		9	10236086	Denali National Park
10		10	10236086	Denali National Park
11		11	10236086	Denali National Park
12		12	10236086	Denali National Park
13		13	10267857	Kenai Fjords National Park
14		14	10267857	Kenai Fjords National Park
15		15	10267857	Kenai Fjords National Park
16		16	10267857	Kenai Fjords National Park
17		17	10236076	Denali National Park
18		18	10236076	Denali National Park
19		19	10236076	Denali National Park
20		20	10236076	Denali National Park
21		21	10236076	Denali National Park
22		22	10236076	Denali National Park
23		23	10236076	Denali National Park
24		24	10236082	Denali National Park
25		25	10236082	Denali National Park
26		26	10236082	Denali National Park
27		27	10236082	Denali National Park
28		28	10236082	Denali National Park
29		29	10241620	Denali National Park

Fun Queries - joins

```
select b.description, b.bear_type, p.park_name, p.state from bear_attacks b  
inner join national_parks p  
on b.location = p.park_name order by p.state, p.park_name;
```

	description character varying	bear_type character varying (25)	park_name character varying (100)	state character varying (30)
1	Crosby, an employee at a medical clinic in the park, was reported missing when he did n...	Brown bear	Gates Of The Arctic National Park	AK
2	White was backpacking alone along the Toklat River. After hikers found an abandoned b...	Brown bear	Gates Of The Arctic National Park	AK
3	Wallace's remains were found by hikers on the Mary Mountain Trail, northeast of Old Fai...	Brown bear	Gates Of The Arctic National Park	AK
4	Matayoshi and his wife were hiking the Wapiti Lake Trail, and came upon a mother grizz...	Brown bear	Gates Of The Arctic National Park	AK
5	Bradley was attacked and partially consumed by a mother bear and a cub, 1.5 miles (2...	Black bear	Gates Of The Arctic National Park	AK
6	Treadwell and Huguenard's corpses were found by their pilot at Kafila Bay. Treadwell wa...	Brown bear	Gates Of The Arctic National Park	AK
7	Treadwell and Huguenard's corpses were found by their pilot at Kafila Bay. Treadwell wa...	Brown bear	Gates Of The Arctic National Park	AK
8	Dahl's partially consumed remains were found three days after he set off to hike alone i...	Brown bear	Gates Of The Arctic National Park	AK
9	Bell was killed while hiking with a friend near the Kugrak river. They startled a mother be...	Brown bear	Gates Of The Arctic National Park	AK
10	Courtney was killed while hiking on the Slim's Valley trail in Klauene National Park. Her h...	Brown bear	Gates Of The Arctic National Park	AK
11	Petranyi was killed by a mother with two cubs on the Loop Trail, near the Granite Park C...	Brown bear	Gates Of The Arctic National Park	AK
12	Percy-Lancaster and his wife were setting up camp in an isolated area of the Tonquin V...	Brown bear	Gates Of The Arctic National Park	AK
13	Goeden's partially consumed remains were found at Natahki Lake, Many Glacier Valley, ...	Brown bear	Gates Of The Arctic National Park	AK
14	Gibbs was last seen alive following and photographing a bear with cubs at Elk Mountai...	Brown bear	Gates Of The Arctic National Park	AK
15	Tesinke, a photographer, was mauled after approaching a bear in the Otter Creek area o...	Brown bear	Gates Of The Arctic National Park	AK
16	Fredenhagen was dragged from her tent during the night and killed at a backcountry ca...	Brown bear	Gates Of The Arctic National Park	AK
17	Gordon was killed at the Elizabeth Lake campsite in the Belly River Valley, Glacier Natio...	Brown bear	Gates Of The Arctic National Park	AK
18	Their partially consumed bodies were found near their campsite at Divide Creek in the St...	Brown bear	Gates Of The Arctic National Park	AK
19	Their partially consumed bodies were found near their campsite at Divide Creek in the St...	Brown bear	Gates Of The Arctic National Park	AK
20	Richardson was attacked while camping on private property, just west of Rocky Mountai...	Black bear	Gates Of The Arctic National Park	AK
21	Muser was mauled to death by a black colored Grizzly Bear while playing with her sister ...	Brown bear	Gates Of The Arctic National Park	AK
22	Mahoney was dragged from a tent and killed at Many Glacier campground. Rangers Kill...	Brown bear	Gates Of The Arctic National Park	AK
23	Precup did not return after backpacking in Glacier Bay National Park and Preserve. Days...	Brown bear	Gates Of The Arctic National Park	AK
24	While hiking with a friend in British Columbia's Glacier National Park, Chapman rounde...	Brown bear	Gates Of The Arctic National Park	AK
25	Etherington, a biologist with the Canadian Wildlife Service, and a photographer were hel...	Brown bear	Gates Of The Arctic National Park	AK
26	Walker was attacked by a bear that was feeding on food that was left out at his campsit...	Brown bear	Gates Of The Arctic National Park	AK
27	While camping near the Granite Park Chalet, Helgeson was dragged from her tent. Her b...	Brown bear	Gates Of The Arctic National Park	AK
28	Koons was camping with a group at the Trout Lake campsite. A bear invaded their cam...	Brown bear	Gates Of The Arctic National Park	AK
29	While Coates was picking berries outside of her family's Sunwapta Falls cottage, a black...	Black bear	Gates Of The Arctic National Park	AK
30	Hansen left her cabin to go to the restroom. As she rounded a corner she surprised a be...	Brown bear	Gates Of The Arctic National Park	AK