DBIntro Project Report Amila Ferron aferron@pdx.edu February 21, 2021

Campsite data from Recreation.gov, the Recreation Information Database (RIDB) was used for this project. RIDB was created to share data from Recreation.gov, a collaboration between 12 federal agencies to provide recreational information and reservations to the public. Recreation gov has been the best way to reserve good camping spots in my experience. RIDB

provides this data freely as a set of .csvs and I was able to relatively easily download and start

copying it into my own database.

Each .csv became a table in my database, listed here with the with number of rows:

Activities: 128

CampsiteAttributes: 1,880,123

Campsites: 102,950 EntityActivities: 62,745 Facilities: 14,074

FacilityAddresses: 16,392

Links: 61,119 Organizations: 29 OrgEntities: 17,524

PermitEntranceAttributes: 590

PermitEntrances: 985 PermitEntranceZones: 399 PermittedEquipment: 341,607 RecAreaAddresses: 4.046 RecAreaFacilities: 21,937

RecAreas: 3,760 TourAttributes: 1,827

Tours: 346

Primary keys and foreign keys were set for many of the more commonly queried tables. Data types for columns were altered and data was cleaned to facilitate use of foreign keys and theta joins. The questions asked for the project fell within three categories: finding campgrounds with certain amenities within Oregon and Washington, gathering information for one of these types of campgrounds that would be useful for someone wanting to choose one to make a reservation, and queries about the data as a whole. Here are the questions and results:

First, find campgrounds "within Oregon and Washington" (within the bounds of Longitude 117 - 125W, Latitude 42 - 49N) with certain amenities.

1. What are the campground names, addresses, latitude, longitude of campgrounds with accessible campsites within the latitude and longitudes that generally bound Oregon and Washington?

Answer: There are 102 campgrounds with accessible campsites. Results are here.

Here's the code:

```
alter table w21adb31.campsites
alter column facilityid
alter table w21adb31.facilityaddresses
alter column facilityid
set data type varchar(200);
select facilityid
from w21adb31.campsites
where facilityid not in(
   select facilityid
   from w21adb31.facilities
);
select campsitelatitude, campsitelongitude
from w21adb31.campsites
where campsitelatitude > 42
and campsitelatitude < 49
```

```
and campsitelongitude > -124
and campsitelongitude < -117;
select distinct on (facilityid) facilityid
from w21adb31.campsites
where campsitelatitude > 42
and campsitelatitude < 49
and campsitelongitude > -124
and campsitelongitude < -117
and campsiteaccessible = true;
select distinct on (F.facilityid) F.facilityid, F.facilityname,
F. facilitylatitude, F. facilitylongitude, FA. facilitystreetaddress1,
FA.facilitystreetaddress2, FA.city, FA.addressstatecode,
FA.postalcode
into accessiblecampgrounds
from w21adb31.facilities F join facilityaddresses FA
on F.facilityid = FA.facilityid
where F.facilityid in(
   select distinct on (facilityid) facilityid
   from w21adb31.campsites
  where campsitelatitude > 42
  and campsitelatitude < 49
  and campsitelongitude > -124
  and campsitelongitude < -117</pre>
  and campsiteaccessible = true
);
select * from accessiblecampgrounds;
```

2. What are names and addresses of campgrounds with yurts within Oregon and Washington?

Answer: There are four campgrounds with yurts in Oregon and Washington in the database.

4	rows returned								
	facilityid character varying	facilityname character varying	facilitylatitude real	facilitylongitude real	facilitystreetaddress1 character varying	facilitystreetaddress2 character varying	city character varying	addressstatecode character varying	postalcode character varying
1	232788	LINK CREEK	44.415833	-121.75528	P.O. BOX 249	null	SISTERS	97759	OR
2	232838	LOST CREEK	45.381943	-121.83444	MT. HOOD	null	null	null	OR
3	232839	FISH CREEK (OR)	45.15889	-122.151665	null	null	null	null	OR
4	233384	COHO CAMPGROUND	47.458057	-123.60222	Hood Canal Ranger District, PO Box 280	null	Quilcene	98376	WA

The query code:

```
from w21adb31.campsites
where campsitetype = 'YURT'
and campsitelatitude > 42
and campsitelatitude < 49
and campsitelongitude > -124
and campsitelongitude < -117;
select distinct on (F.facilityid) F.facilityid, F.facilityname,
F. facilitylatitude, F. facilitylongitude, FA. facilitystreetaddress1,
FA.facilitystreetaddress2, FA.city, FA.addressstatecode,
FA.postalcode
from w21adb31.facilities F join facilityaddresses FA
on F.facilityid = FA.facilityid
where F.facilityid in (
   select distinct on (facilityid) facilityid
   from w21adb31.campsites
   where campsitelatitude > 42
   and campsitelatitude < 49
   and campsitelongitude > -124
   and campsitelongitude < -117
   and campsitetype = 'YURT');
```

3. What are names, addresses, descriptions, and count of campgrounds with walk-in campsites within Oregon and Washington?

Answer: There are 15 campgrounds with campsites with "walk to" access.

	facilityid character varying	facilityname character varying	facilitylatitude real	facilitylongitude real	facilitystreetaddress1 character varying	facilitystreetaddress2 character varying	city character varying	addressstatecode character varying	postalcode character varying
1	232838	LOST CREEK	45.381943	-121.83444	MT. HOOD	null	null	null	OR
2	233364	NORTH WALDO	43.758057	-122.00389	FS Rd 5895 at Waldo Lake	null	Oakridge	97463	OR
3	233384	COHO CAMPGROUND	47.458057	-123.60222	Hood Canal Ranger District, PO Box 280	null	Quilcene	98376	WA
4	233499	FISHHOOK PARK	46.315	-118.76611	4562 FISHHOOK PARK ROAD	null	PRESCOTT	99348	WA
5	233536	LEPAGE PARK	45.728397	-120.65126	PO BOX 823	null	Rufus	97050	OR
6	233877	La Wis Wis Campground	46.67389	-121.587776	null	null	Packwood	98361	WA
7	233973	SQUAW LAKES	42.123055	-123.125	FOREST ROAD 1075	15111 Upper Applegate Road	JACKSONVILLE	97530	OR
8	234020	COUGAR FLAT	46.916943	-121.23361	null	null	NACHES	98610	WA
9	234022	SAWMILL FLAT CAMPGROUND	46.974445	-121.095276	Hwy 410	null	NACHES	98937	WA
10	250985	Yakima River Canyon Campgrounds	46.799442	-120.46139	BLM WENATCHEE FIELD OFFICE	915 WALLA WALLA AVENUE	Wenatchee	98801	WA
11	251365	FALLS CREEK CAMPGROUND	47.43	-123.78139	353 South Shore Road PO box 9	null	Quinault	98575	WA
12	251577	ALLEN SPRINGS CAMPGROUND	44.52803	-121.62734	PO BOX 249	null	SISTERS	97759	OR
13	255135	SOUTHSHORE AT DETROIT LAKE	44.7054	-122.176186	P.O. BOX 340	null	Detroit	97342	OR
14	255201	Colonial Creek South Campground	48.689583	-121.09606	810 State Route 20	null	Sedro- woolley	98284	WA
15	267552	RIVERSIDE CAMPGROUND	44.45509	-121.638374	P.O. BOX 249	null	SISTERS	97759	OR

The code:

```
-- What are names and addresses of campgrounds with walk-to access
-- within Oregon and Washington?
-- Answer: There are 15 of them.
-- This includes their IDs, names, lat, long, and address
select distinct on (F.facilityid) F.facilityid, F.facilityname,
F.facilitylatitude, F.facilitylongitude, FA.facilitystreetaddress1,
FA.facilitystreetaddress2, FA.city, FA.addressstatecode,
FA.postalcode
from w21adb31.facilities F join facilityaddresses FA
on F.facilityid = FA.facilityid
where F.facilityid in(
    select distinct on (facilityid) facilityid
    from w21adb31.campsites
    where campsitelatitude > 42
    and campsitelatitude < 49
    and campsitelongitude > -124
    and campsitelongitude < -117
    and campsitetype = 'WALK TO');
```

4. What are the names, addresses, descriptions, and count of campgrounds in Oregon and Washington that have waterfront access (including beach, riverfront, or lakefront)?

Answer: There are 177 campgrounds with waterfront access. Results are here.

Query code:

```
select distinct on (AttributeValue) attributeID, AttributeValue
from w21adb31.campsiteattributes
where AttributeName = 'Proximity to Water';
select distinct on (attributevalue) attributevalue
from w21adb31.campsiteattributes
where attributeID = 72;
select attributevalue, entityid as campsiteid
into waterproximityonly
from w21adb31.campsiteattributes
where attributeID = 72
and entitytype = 'Campsite';
select * from WaterProximityOnly
where attributevalue = 'Riverfront'
or attributevalue = 'Island'
or attributevalue = 'Island,'
or attributevalue = 'Lakefront'
or attributevalue = 'Lakefront, Riverfront'
or attributevalue = 'Lakefront, Riverfront, Oceanfront'
```

```
or attributevalue = 'Oceanfront'
or attributevalue = 'Springs'
or attributevalue = 'Riverfront, Springs';
select * from waterproximityonly
where attributevalue != 'N/A';
select F.facilityname, A.campsitetype, A.typeofuse, A.attributevalue
from (campsites C join waterproximityonly WPO on C.campsiteid =
WPO.campsiteid) A
join facilities F on A.facilityID = F.facilityID
where A.attributevalue != 'N/A'
and A.typeofuse = 'Overnight'
and A.campsitelatitude > 42
and A.campsitelatitude < 49
and A.campsitelongitude > -124
and A.campsitelongitude < -117;
select distinct on (F.facilityid) F.facilityname,
F. facilitylatitude, F. facilitylongitude, FA. facilitystreetaddress1,
FA. facilitystreetaddress2, FA.city, FA.addressstatecode,
FA.postalcode
INTO waterfrontcampgrounds
from w21adb31.facilities F join facilityaddresses FA
on F.facilityid = FA.facilityid
where F.facilityid in(
   select FC.facilityid
   from (campsites C join waterproximityonly WPO on C.campsiteid =
WPO.campsiteid) A
   join facilities FC on A.facilityID = FC.facilityID
   where A.attributevalue != 'N/A'
   and A.typeofuse = 'Overnight'
```

```
and F.facilitylatitude > 42
and F.facilitylatitude < 49
and F.facilitylongitude > -124
and F.facilitylongitude < -117;</pre>
```

The following questions get information that would be useful to make a reservation at a campground with waterfront access found above.

5. Which of these sites are also walk-in sites?

Answer: There are 59 sites that are on the waterfront and also have walk-in access. Results are here.

Query code is here:

```
select distinct on (F.facilityid) F.facilityname,
F. facilitylatitude, F. facilitylongitude, FA. facilitystreetaddress1,
FA.facilitystreetaddress2, FA.city, FA.addressstatecode,
FA.postalcode
from w21adb31.facilities F join facilityaddresses FA
on F.facilityid = FA.facilityid
where F.facilityid in (
   select distinct on (facilityid) facilityid
   from w21adb31.campsites
   where campsitelatitude > 42
   and campsitelatitude < 49
   and campsitelongitude > -124
  and campsitelongitude < -117
   and campsitetype = 'WALK TO'
select distinct on (F.facilityid) F.facilityname,
F. facilitylatitude, F. facilitylongitude, FA. facilitystreetaddress1,
FA.facilitystreetaddress2, FA.city, FA.addressstatecode,
FA.postalcode
from w21adb31.facilities F join facilityaddresses FA
on F.facilityid = FA.facilityid
where F.facilityid in(
   select FC.facilityid
   from (campsites C join waterproximityonly WPO on C.campsiteid =
WPO.campsiteid) A
   join facilities FC on A.facilityID = FC.facilityID
```

```
where A.attributevalue != 'N/A'
  and A.typeofuse = 'Overnight'
and F.facilitylatitude > 42
and F.facilitylatitude < 49
and F.facilitylongitude > -124
and F.facilitylongitude < -117;
select A.campsitename, F.facilityname, A.campsitetype,
A.attributevalue, A.campsitelongitude, A.campsitelatitude
into waterfrontwalkto
from (campsites C join waterproximityonly WPO on C.campsiteid =
WPO.campsiteid) A
join facilities F on A.facilityID = F.facilityID
where A.attributevalue != 'N/A'
and A.typeofuse = 'Overnight'
and A.campsitelatitude > 42
and A.campsitelatitude < 49
and A.campsitelongitude > -124
and A.campsitelongitude < -117
and A.campsitetype = 'WALK TO';
```

6. Which sites with waterfront access have a location rating of "Prime"? Answer: There are 163 sites returned. The results are here.

The query code:

```
-- 6. Which sites with waterfront access have a location rating of "Prime"?

-- Lists campsites with a location rating of prime with waterfront access in OR and WA

-- ordered by campground name, then campsite name select campsitename, loop, facilityname, attributename, attributevalue, entityid into primewaterfrontsites
```

```
from (campsites A join w21adb31.campsiteattributes B on A.campsiteID
= B.entityID) C
join facilities D on C.facilityID = D.facilityID
where C.attributename = 'Location Rating' and
C.attributevalue = 'Prime' and
C.entityid in (
    select campsiteID
    from WaterfrontCampsiteIDs
)
order by facilityname, campsitename;
```

7. Which of these sites allow tents only?
Answer: There are 190 sites that have waterfront access and allow tent camping only.
Results are here.

Query code:

```
-- 7. Which waterfront sites allow tents only?
-- 190 campsites with waterfront access in OR and WA are tent only select A.campsitename, A.loop, B.facilityname, A.campsitetype, A.campsiteid into tentonly from campsites A join facilities B on A.facilityID = B.facilityid where A.campsiteID in (
    select campsiteid from WaterfrontCampsiteIDs)

and A.campsitetype like 'TENT ONLY %' order by B.facilityname desc, A.campsitename;

-- Allow indexing of tentonly table alter table tentonly add primary key (campsiteid);
```

8. Which sites have waterfront access and a prime rating, allow tent camping only, and are reservable?

Answer: There are 37 sites like this. The results are here.

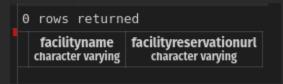
The code is here:

```
select A.campsitename, A.loop, B.facilityname, B.reservable
from campsites A join facilities B on A.facilityID = B.facilityid
where A.campsiteID in (
   select campsiteid
   from WaterfrontCampsiteIDs
and B.reservable = true
order by B.facilityname desc, A.campsitename;
alter table primewaterfrontsites
add primary key (entityid);
select A.campsitename, A.loop, B.facilityname, B.reservable,
A.campsiteid
into primetentonlywaterfrontreservable
from campsites A join facilities B on A.facilityID = B.facilityid
where A.campsiteID in (
   select campsiteid
   from tentonly
A.campsiteID in (
   select entityid
  from primewaterfrontsites
```

```
A.campsiteID in (
    select campsiteid
    from WaterfrontCampsiteIDs
)
and B.reservable = true
order by B.facilityname desc, A.campsitename;
-- create a primary key to allow indexing
alter table primetentonlywaterfrontreservable
add primary key (campsiteid);
```

9. What is the link to make a reservation (if one exists) for each site with waterfront access?

Answer: All reservation links for these campgrounds are null.



Since those were all empty, here are the links for each campground that has a prime rating, allows tent camping only, has waterfront access and is reservable. They're all pretty useless, unfortunately.

facilityname character varying	url character varying
RIVERSIDE AT DETROIT	http://www.oregon.gov/odot/
BIG LAKE WEST CAMPGROUND	http://traveloregon.com
FALLS CREEK CAMPGROUND	http://www.experiencewashington.com/
LOST LAKE RESORT AND CAMPGROUND	http://www.recreation.gov/webphotos/facilityma ps/125541 E541.pdf
HEBO LAKE CAMPGROUND	http://www.oregon.gov/odot/

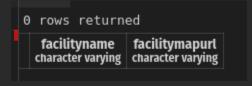
```
-- 9. What is the link to make a reservation (if one exists) for each site
-- with waterfront access?
-- First, check out the data in the links table.
```

```
select distinct on (entitytype) entitytype
from links;
alter table links
alter column entityid
select facilityname, facilityreservationurl
from w21adb31.facilities
where facilityID in (
  select facilityid
  from WaterfrontCampsiteIDs
facilityreservationurl <> NULL;
select distinct on (D.facilityID) D.facilityID, D.facilityname,
C.url
into reservationlinks
from (WaterfrontCampsiteIDs A join links B on A.facilityid =
B.entityid) C
join facilities D on C.entityid = D.facilityid
where D.facilityid in (
  select facilityid
  from waterfrontcampsiteIDs
);
alter table reservationlinks
add primary key (facilityID);
select * from reservationlinks;
```

```
-- Here are links for
-- each campground that's prime, tent only, waterfront access, and reservable
select distinct on (A.facilityID) A.facilityname, A.url
from reservationlinks A join campsites B on A.facilityID =
B.facilityID
where B.campsiteID in (
   select campsiteid
   from primetentonlywaterfrontreservable
);
```

10. What is the link to a map of each site (if one exists)?

Answer: There are no map links for any of the campgrounds with sites with waterfront access.



```
-- 10. What is the link to a map of each site (if one exists)?

-- All these map urls are null
select facilityname, facilitymapurl
from w21adb31.facilities
where facilityID in (
    select facilityid
    from WaterfrontCampsiteIDs
)
and facilitymapurl <> null;
```

11. What are the fees for using these waterfront sites? (this includes overnight fees and permit fees)

Answer: All use fee data for each campground that has waterfront sites is <u>here</u>. Many of the use fee fields are null.

The query code is here:

```
select activityfeedescription
from w21adb31.entityactivities
where activityfeedescription like '%$%';
select attributevalue
from w21adb31.campsiteattributes
where attributevalue like '%$%';
select facilityusefeedescription
from w21adb31.facilities
where facilityusefeedescription like '%$%';
select distinct on (recareausefeedescription)
recareausefeedescription
from recareas;
select distinct on (facilityusefeedescription)
facilityusefeedescription
from facilities;
```

```
select C.campsiteID, C.facilityID into WaterfrontCampsiteIDs
from campsites C join waterproximityonly WPO on C.campsiteid =
WPO.campsiteid
where WPO.attributevalue != 'N/A'
and C.typeofuse = 'Overnight'
and C.campsitelatitude > 42
and C.campsitelatitude < 49
and C.campsitelongitude > -124
and C.campsitelongitude < -117;</pre>
select distinct on (facilityid) facilityid
from WaterfrontCampsiteIDs;
alter table w21adb31.facilities
alter column parentrecareaid
select distinct on (facilityname) A.campsitename, A.loop,
A.facilityname, A.facilityusefeedescription,
B.recareausefeedescription
from (campsites C join facilities F on C.facilityID = F.facilityID)
join recareas B on A.parentrecareaID = B.recareaID
where A.campsiteID in (
  select campsiteid
   from WaterfrontCampsiteIDs
);
```

The focus shifts to the entirety of the data, covering the nation as a whole for the remaining questions.

12. What percentage of the campsites are ADA accessible?

Answer: 8.8%

The query code:

```
select distinct on (attributename) attributename
from campsiteattributes;
select distinct on (attributevalue) attributevalue
from w21adb31.campsiteattributes
where attributename = 'Accessibility';
select distinct on (entityID) entityID, attributename,
attributevalue
from w21adb31.campsiteattributes
where (attributename = 'Accessibility'
or attributename like 'ACCESSIBLE%')
and (attributevalue = 'Y'
or attributevalue = 'Accessibility'
select distinct on (attributevalue) attributevalue
from w21adb31.campsiteattributes
where (attributename = 'Accessibility'
or attributename like 'ACCESSIBLE%');
```

```
select distinct on (campsiteID) campsiteid
from campsites;
-- Answer 9074 / 102950 = 8.8%
```

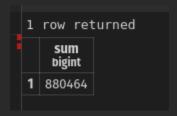
13. What are the 10 least offered activities (i.e. the activities offered in the fewest sites)? Answer: There are 12 sites with only one location where they're offered. These are the 12 least offered activities. The results including trails are likely just entered differently than others that are similar.

126	126 rows returned				
	count bigint	activityname character varying			
1	1	ICE SKATING			
2	1	SNOW TUBING			
3	1	BOAT RENTAL			
4	1	GONDOLA RIDES			
5	1	RAILS, HORSE			
6	1	SHUFFLE BOARD			
7	1	TRAILS, DIFFICULT HIKING			
8	1	TRAILS, ALL TERRAIN/OHV			
9	1	STARGAZING			
10	1	HIKING TRAIL			
11	1	MOTEL			
12	1	GOLF			

```
select count(A.activityname), A.activityname
from activities A join entityactivities E on A.activityID =
E.activityid
group by activityname
order by count(activityname);
```

14. What is the total length of all paved driveway surfaces in all the campsites?

Answer: 880,464ft



The query code:

```
select attributename, cast(attributevalue as integer)
into PavedDrivewayLengthsAsInts
from w21adb31.campsiteattributes
where attributename = 'Driveway Length'
and entityid in (
   select entityid
   from w21adb31.campsiteattributes
   where attributevalue = 'Paved'
   );
drop table paveddrivewaylengths;
select distinct on (attributename) attributeid, attributename
from campsiteattributes;
select attributename, attributevalue
into PavedDrivewayLengths
from w21adb31.campsiteattributes
and entityid in (
  select entityid
   from w21adb31.campsiteattributes
```

```
where attributevalue = 'Paved'
  );
select * from PavedDrivewayLengths;
select attributevalue
from PavedDrivewayLengths
where attributevalue like '%FT%';
delete from PavedDrivewayLengths
where attributevalue like '%FT%';
delete from PavedDrivewayLengths
where attributevalue like '%,%';
delete from PavedDrivewayLengths
where attributevalue like '%''%';
delete from PavedDrivewayLengths
where attributevalue like '%f%';
delete from PavedDrivewayLengths
where attributevalue like '%x%';
select attributename, cast(attributevalue as integer)
```

```
into PavedDrivewayLengthsAsInts
from PavedDrivewayLengths;

-- Now get the sum of all the driveway lengths
-- Sum is 880464
select sum(attributevalue)
from PavedDrivewayLengthsAsInts;
```

15. What are the names and locations of facilities offering tree permits?

Answer:

There are 76 facilities offering tree permits. Results are here.

This is the code for the query:

```
-- 15. What are the names and locations of facilities offering tree permits?
-- There are 76 facilities offering tree permits
-- This gives their names, lat, and long select distinct on (facilityid) facilityname, facilitylongitude, facilitylatitude, facilitytypedescription into treepermitfacilities from facilities where facilitytypedescription = 'Tree Permit'; select * from campsites; select * from facilities;
```

16. How many sites does each of the organizations manage (BLM, NPS, etc)? For this question a site is defined as a ticket facility, campground, permit, rec area, or facility.

Answer:

23	rows r	returned					
	count bigint	orgname character varying					
1	649	Fish and Wildlife Service					
2	18	National Archives and Records Administration					
3	21	National Historic Landmark					
4	94	National Register of Historic Places					
5	2549	Bureau of Land Management					
6	1745	National Park Service					
7	41	National Oceanic and Atmospheric Administration					
8	34	New Mexico					
9	353	Department of Transportation					
10	242	Bureau of Reclamation					
11	1	Department of the Interior					
12	110	Smithsonian Institution Affiliations Program					
13	9442	USDA Forest Service					
14	1	Historic Hotels of America					
15	14	Smithsonian Institution					
16	2121	US Army Corps of Engineers					
17	1	US Air Force					
18	31	Tennessee Valley Authority					
19	1	Virginia					
20	1	Maryland					
21	1	Bureau of Engraving and Printing					
22	43	Utah					
23	1	Texas					

```
-- How many sites does each of the organizations manage?
select * from organizations;

-- What are the entity types in the organizations table?
-- Answer: Ticket Facility, Campground, Permit, Rec Area, Facility select entitytype
```

```
from w21adb31.orgentities
group by entitytype;

-- How many entries are there for each org in the OrgEntities table?
select count(orgname), orgname
from OrgEntities E join Organizations O on E.orgid = O.orgid
group by orgname;
```

17. How many campgrounds feature mushroom picking? Answer: 28 campgrounds offer this.

28	8 rows returned						
	activityid integer	activitydescription character varying	activityfeedescription character varying	entityid integer	entitytype character varying		
1	100042	Mushroom Picking	null	10004919	Campground		
2	100042	Mushroom Picking	null	10007160	Campground		
3	100042	Mushroom Picking	null	10052157	Campground		
4	100042	Mushroom Picking	null	231995	Campground		
5	100042	Mushroom Picking	null	232442	Campground		
6	100042	Mushroom Picking	null	232468	Campground		
7	100042	Mushroom Picking	null	233131	Campground		

```
-- Is mushroom picking an entry in activities?
-- Answer: Yes, it's in all caps
select activityname
from w21adb31.activities
group by activityname
order by activityname;

-- What is the activityID of mushroom picking?
-- Answer: 100042
select distinct on (activityname) *
from w21adb31.activities
order by activityname;
```

```
-- Which entities feature mushroom picking?
select *
from w21adb31.entityactivities
where activityid = 100042;
```

18. How many sites include the racial slur 'squaw' in their names?

Answer: There are 10 facilities with this racial slur.

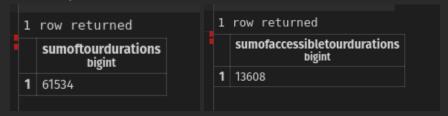
	facilityname character varying	facilitylatitude real	facilitylongitude real
1	T.K. Jones Campground at Squaw Lake and Boat Launch	32.902916	-114.477135
2	SQUAW LAKES	42.123055	-123.125
3	SQUAW MOUNTAIN FIRE LOOKOUT	39.67889	-105.492775
4	Bayhorse - Squaw Creek Area	0	0
5	Squaw Creek Trailhead	44.38839	-114.49409
6	Squaw Creek	37.246292	-95.77293
7	SQUAW PEAK LOOKOUT	42.069683	-123.01188
8	Squaw Trail	37.05852	-112.52658
9	T.K. Jones Campground at Squaw Lake	32.903587	-114.47729
10	Squaw Lakes Day Use	42.035168	-123.0256

```
-- 18. How many facilities include the racial slur 'squaw' in their name?
-- Answer: 10
select facilityname, facilitylatitude, facilitylongitude
from facilities
where facilityname ilike '%squaw%';
```

19. What is the total duration of all tours offered and what percentage of the total time is for accessible tours?

Answer:

Total duration of all tours offered: 61,534 hours Duration of accessible tours offered: 13,608 hours Percentage of total time is for accessible tours: 22.1%



The code:

```
-- What is the total duration of all tours offered?

-- Answer: 61,534 hours

select sum(tourduration) as SumOfTourDurations

from tours;

-- What is the total time of accessible tours offered?

-- Answer: 13,608 hours

select sum(tourduration) as SumOfAccessibleTourDurations

from w21adb31.tours

where touraccessible = true;
```

20. How many of the links associated with sites are .com versus .org?

Answer: .orgs: 711 .coms: 2509



Code:

```
-- How many of the links associated with sites are .com versus .org?
-- Answer: 711 .orgs
select count(url) as orgSites
from w21adb31.links
where url like '%.org';
-- Answer: 2509 .coms
select count(url) as comSites
from w21adb31.links
where url like '%.com';
```