

Database Exploration with SQL

tableName = **bikingTrails**

trailId	riderId	riderAge	location	open
1	1234	6	Chavano	yes
2	5678	12	Schnapel	no
3	1234	37	Riverwalk	no
4	9012	19	Comanche	yes

Table Info

A summary of table field summary info

EXEC SP_HELP 'tableName'

Field Info

List of fields and their data types

```
SELECT COLUMN_NAME  
, DATA_TYPE  
FROM INFORMATION_SCHEMA.COLUMNS  
WHERE TABLE_NAME = 'tableName'
```

Table Load Dates

See what dates data is being loaded

```
SELECT DISTINCT loadDateField  
FROM 'tableName'  
ORDER BY loadDateField DESC
```

Get Distinct Value Count

Compare total number of table rows with number of distinct values for a given field.

```
SELECT COUNT(DISTINCT fieldName) AS fieldCnt  
, COUNT( * ) AS tableCnt  
FROM tableName
```

Check for Field Duplicates

This query can be used to check to see if field contains all unique values and to also to find out how often each value is found in a given field.

```
SELECT *  
FROM tableName  
WHERE fieldToCheck IN  
    (SELECT fieldToCheck  
        FROM tableName  
        GROUP BY fieldToCheck  
        HAVING COUNT(fieldToCheck) > 1)  
ORDER BY fieldToCheck
```

