## **General Information**

* **Author:** Franco Raya
* **Project Start Date:** 17-Dec-2024
* **Description:** This document records all the steps taken to process, analyze, and modify data related to bicycle use in Cyclistic.
* **Tools to use:** BigQuery, Google Sheets, and Tableau

## **Documentation Structure**

Each step will be documented in the following format:

**Date:** Date of modification.

**Step Title:** Short, descriptive name of the step.

**Objective:** Purpose of the step or SQL query.

**SQL Query:** SQL code used, with key explanations.

## **Documented Steps**

### Step 1: Consolidate Data from Monthly Tables

**Date:** 17-Dec-2024

**Goal:** Consolidate data from monthly tables into a single consolidated table for analysis.

**SQL Query:**

| CREATE OR REPLACE TABLE `my-data-projects-444918.Cyclistic.6-months-consolidated` AS  SELECT \* FROM `my-data-projects-444918.Cyclistic.trip-data-2023-11`  UNION ALL  SELECT \* FROM `my-data-projects-444918.Cyclistic.trip-data-2023-12`  UNION ALL  SELECT \* FROM `my-data-projects-444918.Cyclistic.trip-data-2024-01`  UNION ALL  SELECT \* FROM `my-data-projects-444918.Cyclistic.trip-data-2024-02`  UNION ALL  SELECT \* FROM `my-data-projects-444918.Cyclistic.trip-data-2024-03`  UNION ALL  SELECT \* FROM `my-data-projects-444918.Cyclistic.trip-data-2024-04`; |
| --- |

Outcome: file name: 6-months-consolidated

### Step 2: Clean the data

**Goal:** Clean “null”, repetitive, and inconsistent values. Also, remove the next list of columns because I won’t use it for this analysis: start\_lat, start\_lng, end\_lat, end\_lng

1. **Clean “null” values, and leave outside unuseful data**
   1. Date: 17-Dec-2024
   2. Goal: Replace “null” values with “unknown”, leave outside of the analysis: start\_lat, start\_lng, end\_lat, and end\_lng columns, and create a new table
   3. SQL Query:

| CREATE OR REPLACE TABLE `my-data-projects-444918.Cyclistic.trip-data-6-months-clean` AS  SELECT  ride\_id,  rideable\_type,  started\_at,  ended\_at,  IFNULL(start\_station\_name, "Unknown") AS start\_station\_name,  IFNULL(start\_station\_id, "Unknown") AS start\_station\_id,  IFNULL(end\_station\_name, "Unknown") AS end\_station\_name,  IFNULL(end\_station\_id, "Unknown") AS end\_station\_id,  member\_casual  FROM `my-data-projects-444918.Cyclistic.6-months-consolidated`; |
| --- |

1. **Finding duplicate values**
   1. Date: 17-Dec-2024
   2. Goal: Find and eliminate duplicate values on relevant columns
   3. SQL Query:

| SELECT  ride\_id,  started\_at,  ended\_at,  start\_station\_name,  end\_station\_name,  COUNT(ride\_id) AS total\_ride\_id,  COUNT(started\_at) AS total\_started\_at,  COUNT(ended\_at) AS total\_ended\_at,  COUNT(start\_station\_name) AS total\_start\_station\_name,  COUNT(end\_station\_name) AS total\_end\_station\_name  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  GROUP BY  ride\_id,  started\_at,  ended\_at,  start\_station\_name,  end\_station\_name  HAVING COUNT(\*) > 1; |
| --- |

Outcome: No duplicate date following this criteria.

1. **Finding empty spaces at the beginning or end**
   1. Date: 18-Dec-2024
   2. Goal: Find any blank space at the beginning or end of any piece of data
   3. SQL Query:

| SELECT  ride\_id,  rideable\_type,  start\_station\_name,  start\_station\_id,  end\_station\_name,  end\_station\_id,  member\_casual,  COUNT(\*) AS empty\_space  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE  ride\_id LIKE " %" OR ride\_id LIKE "% "  OR rideable\_type LIKE " %" OR rideable\_type LIKE "% "  OR start\_station\_name LIKE " %" OR start\_station\_name LIKE "% " -- looking for any space at the beginning or end  OR start\_station\_id LIKE " %" OR start\_station\_id LIKE "% "  OR end\_station\_name LIKE " %" OR end\_station\_name LIKE "% "  OR end\_station\_id LIKE " %" OR end\_station\_id LIKE "% "  OR member\_casual LIKE " %" OR member\_casual LIKE "% "  GROUP BY  ride\_id,  rideable\_type,  start\_station\_name,  start\_station\_id,  end\_station\_name,  end\_station\_id,  member\_casual  HAVING COUNT(\*) > 1; |
| --- |

**Outcome:** No space found following these criteria.

1. **Finding any wrong format date**
   1. Date: 18-Dec-2024
   2. Goal: Find any date that is formatted incorrectly (Correct format: YYYY-MM-DD HH:MM:SS UTC)
   3. SQL Query:

| SELECT  COUNT(\*) AS total\_wrong\_date,  MIN(started\_at) AS first\_wrong\_date,  MIN(ended\_at) AS first\_wrong\_date\_end  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE  NOT REGEXP\_CONTAINS(CAST(started\_at AS STRING), r'^\d{4}-\d{2}-\d{2} \d{2}:\d{2}:\d{2} UTC$')  OR NOT REGEXP\_CONTAINS(CAST(ended\_at AS STRING), r'^\d{4}-\d{2}-\d{2} \d{2}:\d{2}:\d{2} UTC$'); |
| --- |

**Outcome:**

| total\_wrong\_date | first\_wrong\_date | first\_wrong\_date\_end |
| --- | --- | --- |
| 1671340 | 2023-11-01 00:01:46 UTC | 2023-10-25 07:31:46 UTC |

Something is wrong. “total\_wrong\_date” has the same amount of cells as the table's total (1671340).

**Action:** Try to identify any date formatted incorrectly.

* 1. SQL Query:

| SELECT  started\_at,  ended\_at  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE  NOT REGEXP\_CONTAINS(CAST(started\_at AS STRING), r'^\d{4}-\d{2}-\d{2} \d{2}:\d{2}:\d{2} UTC$')  OR NOT REGEXP\_CONTAINS(CAST(ended\_at AS STRING), r'^\d{4}-\d{2}-\d{2} \d{2}:\d{2}:\d{2} UTC$')  LIMIT 100; |
| --- |

**Outcome:** Nothing looks wrong. The problem could be in the expression ”REGEXP”

| **started\_at** | **ended\_at** |
| --- | --- |
| 2024-01-18 19:30:59 UTC | 2024-01-18 19:38:40 UTC |
| 2024-01-02 21:57:44 UTC | 2024-01-02 22:02:08 UTC |
| 2023-12-04 16:23:04 UTC | 2023-12-04 16:33:25 UTC |
| 2023-11-17 13:28:53 UTC | 2023-11-17 13:33:28 UTC |
| 2023-12-25 12:44:50 UTC | 2023-12-25 12:45:12 UTC |
| 2023-11-13 17:57:29 UTC | 2023-11-13 17:58:41 UTC |
| 2023-12-02 15:48:33 UTC | 2023-12-02 15:51:56 UTC |
| 2024-03-29 12:01:05 UTC | 2024-03-29 12:08:36 UTC |
| 2024-04-29 09:53:55 UTC | 2024-04-29 09:54:03 UTC |
| 2024-04-29 08:08:25 UTC | 2024-04-29 08:14:38 UTC |
| 2024-04-14 13:51:56 UTC | 2024-04-14 14:06:38 UTC |
| 2024-04-17 08:02:53 UTC | 2024-04-17 08:11:05 UTC |
| 2024-03-12 18:43:27 UTC | 2024-03-12 18:46:04 UTC |
| 2023-11-23 11:02:35 UTC | 2023-11-23 11:04:50 UTC |
| 2023-11-01 19:08:50 UTC | 2023-11-01 19:14:20 UTC |
| 2024-04-19 18:30:21 UTC | 2024-04-19 18:38:44 UTC |
| 2024-03-22 20:51:08 UTC | 2024-03-22 20:57:17 UTC |
| 2023-11-03 20:26:43 UTC | 2023-11-03 20:36:55 UTC |

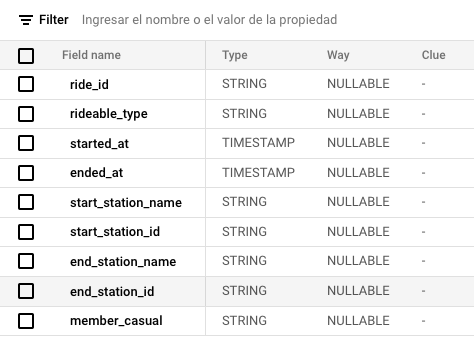
**Action:** Validate if the expression ”REGEXP” is the problem

* 1. SQL Query:

| SELECT  COUNT(\*) AS total\_invalid\_date  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE LENGTH(CAST(started\_at AS STRING)) != 24  OR LENGTH(CAST(ended\_at AS STRING)) != 24  OR NOT ENDS\_WITH(CAST(started\_at AS STRING), 'UTC')  OR NOT ENDS\_WITH(CAST(ended\_at AS STRING), 'UTC'); |
| --- |

**Outcome:** it’s still identifying the total amount of cells as invalid dates

| **total\_invalid\_date** |
| --- |
| 1671340 |

**Action:** Check date format

**Outcome:** the date format is already TIMESTAMP, which means operations like ENDS\_WITH or REGEXP\_CONTAINS are failing because they are trying to apply string rules to a TIMESTAMP data type, which makes no sense.

Next step, check if the start dates (started\_at) are later than the end dates (ended\_at).

1. **Finding any logical offsets in dates**
   1. Date: 19-Dec-2024
   2. Goal: check if the start dates (started\_at) are later than the end dates (ended\_at).
   3. SQL Query:

| SELECT  COUNT(\*) AS dates\_out\_of\_range  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE started\_at > ended\_at |
| --- |

| SELECT  ride\_id,  started\_at,  ended\_at,  rideable\_type,  start\_station\_name,  end\_station\_name,  member\_casual  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE started\_at > ended\_at |
| --- |

**Outcome:** dates\_out\_of\_range = 182

| ride\_id | started\_at | ended\_at | rideable\_type | start\_station\_name | end\_station\_name | member\_casual |
| --- | --- | --- | --- | --- | --- | --- |
| BA2196185D803CAB | 2024-04-29 16:08:11.000000 UTC | 2024-04-29 16:08:10.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0D7869A701792021 | 2024-01-17 14:40:58.000000 UTC | 2024-01-17 14:02:13.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 8A5539BF7A770638 | 2024-04-23 07:57:27.000000 UTC | 2024-04-23 06:44:49.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 998B2907B57E46C8 | 2024-04-17 16:43:08.000000 UTC | 2024-04-17 15:33:48.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0011B677A5131275 | 2024-01-17 19:42:05.000000 UTC | 2024-01-17 19:01:26.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 40405DE1BEB5A318 | 2024-04-23 19:57:00.000000 UTC | 2024-04-23 18:48:29.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 73757DF9F5D9EFBA | 2023-11-21 13:22:05.000000 UTC | 2023-11-21 13:22:04.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 8B7F834F45A13D9A | 2024-02-28 12:38:51.000000 UTC | 2024-02-28 12:38:50.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 348C9F7C40B1549A | 2024-04-08 12:50:04.000000 UTC | 2024-04-08 11:42:12.000000 UTC | electric\_bike | Unknown | Unknown | member |
| ACFF55150DC33066 | 2024-04-17 16:55:12.000000 UTC | 2024-04-17 15:45:32.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C600F15DD9DB74A2 | 2024-01-17 16:40:14.000000 UTC | 2024-01-17 16:40:13.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C7455737A1D3094F | 2024-04-23 08:14:32.000000 UTC | 2024-04-23 08:14:29.000000 UTC | electric\_bike | Damen Ave & Grand Ave | Unknown | casual |
| 343400C6D4F9B4F5 | 2023-11-05 01:35:49.000000 UTC | 2023-11-05 01:02:38.000000 UTC | electric\_bike | Prairie Ave & 43rd St | Unknown | casual |
| 7850F6E2343BF766 | 2023-11-01 16:38:10.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Clark St & Drummond Pl | Unknown | casual |
| EE37F58076FC6659 | 2024-04-21 19:22:28.000000 UTC | 2024-04-21 17:27:28.000000 UTC | electric\_bike | State St & Randolph St | Unknown | casual |
| 883F7DD2DC1B3529 | 2024-04-13 16:32:40.000000 UTC | 2024-04-13 16:32:34.000000 UTC | electric\_bike | Knox Ave & Montrose Ave | Unknown | casual |
| 3738113B5DD12492 | 2024-04-01 18:49:28.000000 UTC | 2024-04-01 18:49:27.000000 UTC | electric\_bike | Racine Ave & Belmont Ave | Unknown | casual |
| E9ACB82CFA405203 | 2024-04-17 12:49:53.000000 UTC | 2024-04-17 12:49:51.000000 UTC | electric\_bike | Michigan Ave & Pearson St | Unknown | casual |
| 7CC832763E3DE65A | 2024-02-22 14:58:19.000000 UTC | 2024-02-22 14:58:18.000000 UTC | electric\_bike | California Ave & Milwaukee Ave | Unknown | casual |
| DE66BFB1053661E6 | 2024-04-17 11:10:03.000000 UTC | 2024-04-17 10:07:43.000000 UTC | electric\_bike | Damen Ave & Thomas St (Augusta Blvd) | Unknown | member |
| F152040F707513F8 | 2023-11-05 01:57:06.000000 UTC | 2023-11-05 01:05:21.000000 UTC | electric\_bike | Unknown | Clark St & Elm St | member |
| 0CAA09888F8500A4 | 2023-11-30 19:17:34.000000 UTC | 2023-11-30 19:17:17.000000 UTC | electric\_bike | Unknown | Morgan St & Lake St\* | member |
| 0AF3917F317F4C5F | 2023-11-05 01:54:43.000000 UTC | 2023-11-05 01:01:31.000000 UTC | classic\_bike | Halsted St & 21st St | Racine Ave & 18th St | casual |
| C8877899E19F9ECE | 2023-12-27 13:39:26.000000 UTC | 2023-12-27 13:39:25.000000 UTC | classic\_bike | State St & Chicago Ave | State St & Chicago Ave | member |
| 61E5500E59B492F2 | 2023-11-05 01:56:06.000000 UTC | 2023-11-05 01:17:33.000000 UTC | electric\_bike | LaSalle St & Illinois St | LaSalle St & Illinois St | member |
| B58B23D23768342C | 2023-11-24 14:09:16.000000 UTC | 2023-11-24 14:09:15.000000 UTC | electric\_bike | Ogden Ave & Roosevelt Rd | Ogden Ave & Roosevelt Rd | member |
| 274EDE47C11F43AF | 2023-11-05 01:55:51.000000 UTC | 2023-11-05 01:02:37.000000 UTC | classic\_bike | Southport Ave & Wellington Ave | Southport Ave & Wrightwood Ave | casual |
| B38A610CA69D097D | 2024-04-06 12:56:12.000000 UTC | 2024-04-06 12:56:11.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 7C0E4814223D9710 | 2023-12-07 22:20:28.000000 UTC | 2023-12-07 22:05:49.000000 UTC | electric\_bike | Clifton Ave & Armitage Ave | W Armitage Ave & N Sheffield Ave | member |
| 2F06C2DAA41BEB85 | 2024-01-17 16:31:17.000000 UTC | 2024-01-17 15:50:35.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 2EF61FB1465E9D97 | 2024-04-08 12:37:38.000000 UTC | 2024-04-08 11:29:01.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 3205F38B05D722FA | 2024-01-17 17:18:32.000000 UTC | 2024-01-17 16:39:13.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C2981B7D7336D69A | 2024-03-16 19:06:15.000000 UTC | 2024-03-16 19:06:10.000000 UTC | electric\_bike | Unknown | Unknown | member |
| AF517DF24EAE7E4A | 2023-11-19 20:10:19.000000 UTC | 2023-11-19 19:16:24.000000 UTC | electric\_bike | Wabash Ave & 9th St | Unknown | member |
| E7AEA0F0C9F03D6E | 2024-03-13 12:11:02.000000 UTC | 2024-03-13 12:11:00.000000 UTC | electric\_bike | Racine Ave & 13th St | Unknown | casual |
| D3BEC53B9A611EFA | 2024-03-13 20:01:40.000000 UTC | 2024-03-13 20:01:38.000000 UTC | electric\_bike | Racine Ave & 13th St | Unknown | casual |
| 5A5DDAFFF234FB69 | 2023-11-01 14:07:31.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Clark St & Drummond Pl | Unknown | member |
| 7FCB39FE1C9BD189 | 2024-04-13 18:33:40.000000 UTC | 2024-04-13 18:33:36.000000 UTC | electric\_bike | Clark St & Lincoln Ave | Unknown | member |
| 16EA9666CD755B1A | 2024-03-25 11:08:14.000000 UTC | 2024-03-25 11:08:11.000000 UTC | electric\_bike | Michigan Ave & 14th St | Unknown | member |
| BA4AA1B024F46893 | 2024-03-09 09:43:36.000000 UTC | 2024-03-09 09:43:35.000000 UTC | electric\_bike | Clark St & Wrightwood Ave | Unknown | member |
| 2A616CC146F5E254 | 2024-04-07 13:03:39.000000 UTC | 2024-04-07 12:00:09.000000 UTC | electric\_bike | Hampden Ct & Diversey Ave | Unknown | member |
| 3896F65BC5DCB40F | 2024-04-09 22:31:05.000000 UTC | 2024-04-09 21:24:35.000000 UTC | electric\_bike | Sheffield Ave & Waveland Ave | Unknown | member |
| AE046C379C20B7CA | 2023-11-05 20:46:59.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Sheridan Rd & Irving Park Rd | Unknown | member |
| 32DBE31D7DB9F6EF | 2024-04-14 12:35:43.000000 UTC | 2024-04-14 12:35:41.000000 UTC | electric\_bike | Lakeview Ave & Fullerton Pkwy | Unknown | casual |
| A3B42B2C840F7C4D | 2023-11-05 01:54:59.000000 UTC | 2023-11-05 01:10:53.000000 UTC | electric\_bike | Milwaukee Ave & Fullerton Ave | Halsted St & Fulton St | member |
| 2256D82E68EF7356 | 2024-03-06 15:50:51.000000 UTC | 2024-03-06 15:50:49.000000 UTC | electric\_bike | Unknown | N Green St & W Lake St | casual |
| 7934DBD46A7BB934 | 2023-12-06 16:07:40.000000 UTC | 2023-12-06 16:07:37.000000 UTC | electric\_bike | Unknown | Green St & Randolph St\* | member |
| 822A055416791A8D | 2023-11-05 01:55:07.000000 UTC | 2023-11-05 01:02:40.000000 UTC | classic\_bike | Larrabee St & Armitage Ave | Sedgwick St & North Ave | casual |
| 01FA13FE99BBC19A | 2023-11-05 01:49:13.000000 UTC | 2023-11-05 01:06:50.000000 UTC | classic\_bike | Sheffield Ave & Waveland Ave | Racine Ave & Fullerton Ave | member |
| 3A5E940DF2EE5625 | 2023-11-05 01:51:22.000000 UTC | 2023-11-05 01:02:48.000000 UTC | electric\_bike | Richmond St & Diversey Ave | Spaulding Ave & Division St | casual |
| DB2DDD2D2921A320 | 2024-04-22 17:29:38.000000 UTC | 2024-04-22 17:29:37.000000 UTC | electric\_bike | Bloomingdale Ave & Harlem Ave | Bloomingdale Ave & Harlem Ave | member |
| BD6EB90ADA429918 | 2024-04-22 09:03:12.000000 UTC | 2024-04-22 09:03:11.000000 UTC | classic\_bike | Financial Pl & Ida B Wells Dr | Financial Pl & Ida B Wells Dr | member |
| BEBF8F1DB0631694 | 2024-03-30 23:35:17.000000 UTC | 2024-03-30 23:35:16.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 1B5FAE0E104A31A5 | 2024-01-17 16:57:51.000000 UTC | 2024-01-17 16:57:50.000000 UTC | electric\_bike | Unknown | Unknown | member |
| B4815ABE997F7075 | 2024-04-14 14:24:33.000000 UTC | 2024-04-14 14:24:32.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 5AB3D70A92A6F3FB | 2024-04-08 13:28:26.000000 UTC | 2024-04-08 12:21:25.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| FD35DEFF76D30A65 | 2024-04-17 11:44:57.000000 UTC | 2024-04-17 10:47:23.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 41420140158642B2 | 2024-01-17 20:56:18.000000 UTC | 2024-01-17 20:56:17.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| FF956B8B37D6E74E | 2024-01-13 21:34:20.000000 UTC | 2024-01-13 21:34:19.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C03396DD31FD583C | 2024-03-27 10:52:54.000000 UTC | 2024-03-27 10:52:53.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 50844DD11A48ECE8 | 2024-04-29 08:18:38.000000 UTC | 2024-04-29 08:18:36.000000 UTC | electric\_bike | Unknown | Unknown | member |
| A5D6A249E97DBBB1 | 2023-11-28 07:49:51.000000 UTC | 2023-11-28 07:49:47.000000 UTC | electric\_bike | Unknown | Morgan St & Lake St\* | member |
| 4430A01165AB3F20 | 2024-03-06 12:33:13.000000 UTC | 2024-03-06 12:33:11.000000 UTC | electric\_bike | Unknown | N Green St & W Lake St | member |
| 1C3FE4D46FF75C81 | 2023-11-19 18:36:33.000000 UTC | 2023-11-19 18:33:20.000000 UTC | electric\_bike | Unknown | Racine Ave & Belmont Ave | casual |
| 93BE6ED18893BEDF | 2023-11-05 01:50:49.000000 UTC | 2023-11-05 01:05:45.000000 UTC | electric\_bike | Unknown | Clark St & Wrightwood Ave | member |
| C0BD4634E7702B7A | 2024-04-21 11:22:38.000000 UTC | 2024-04-21 11:22:37.000000 UTC | electric\_bike | Unknown | N Sheffield Ave & W Wellington Ave | member |
| A4C89D792F20A0DD | 2023-11-05 01:59:47.000000 UTC | 2023-11-05 01:12:15.000000 UTC | electric\_bike | Millennium Park | Unknown | casual |
| D688B0ED24D11C65 | 2024-01-21 17:22:48.000000 UTC | 2024-01-21 16:44:58.000000 UTC | electric\_bike | Ellis Ave & 55th St | Unknown | member |
| 7E01CBDCCFF7E1DC | 2023-11-16 17:34:44.000000 UTC | 2023-11-16 17:34:43.000000 UTC | electric\_bike | Canal St & Monroe St | Canal St & Monroe St | casual |
| 12C127FAD1B90719 | 2024-04-08 19:49:10.000000 UTC | 2024-04-08 19:49:09.000000 UTC | electric\_bike | McClurg Ct & Ohio St | Unknown | member |
| 83192DD2002545D0 | 2023-11-05 01:59:44.000000 UTC | 2023-11-05 01:12:56.000000 UTC | classic\_bike | Racine Ave & 13th St | Emerald Ave & 31st St | casual |
| EB72A24F424FA26E | 2023-11-15 12:26:24.000000 UTC | 2023-11-15 12:26:21.000000 UTC | electric\_bike | Broadway & Wilson Ave | Unknown | member |
| 3FE1CB266FEFC4F8 | 2023-11-05 01:56:53.000000 UTC | 2023-11-05 01:06:00.000000 UTC | classic\_bike | Dearborn St & Erie St | Ogden Ave & Chicago Ave | member |
| B9C22958E273FFE6 | 2023-11-05 01:50:34.000000 UTC | 2023-11-05 01:06:31.000000 UTC | classic\_bike | Damen Ave & Melrose Ave | California Ave & North Ave | casual |
| F584D47AE67FD388 | 2023-11-05 21:08:17.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Sheffield Ave & Waveland Ave | Unknown | casual |
| DEC5EF8DE27398A0 | 2023-11-05 11:56:19.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Pine Grove Ave & Irving Park Rd | Unknown | casual |
| F4E0FC9C8D9E41AF | 2023-11-05 01:43:51.000000 UTC | 2023-11-05 01:00:17.000000 UTC | electric\_bike | DuSable Lake Shore Dr & Wellington Ave | Unknown | member |
| C790110281F730F7 | 2024-04-26 10:58:52.000000 UTC | 2024-04-26 10:58:50.000000 UTC | electric\_bike | DuSable Lake Shore Dr & Wellington Ave | Unknown | member |
| EB53842F17F73958 | 2023-11-05 01:52:56.000000 UTC | 2023-11-05 01:00:53.000000 UTC | electric\_bike | Wolcott (Ravenswood) Ave & Montrose Ave | Unknown | member |
| 12E1C647CE444727 | 2023-11-05 01:42:50.000000 UTC | 2023-11-05 01:05:30.000000 UTC | classic\_bike | Larrabee St & Webster Ave | Ashland Ave & Division St | casual |
| 4B09F814AA33731D | 2023-11-05 01:58:10.000000 UTC | 2023-11-05 01:13:55.000000 UTC | classic\_bike | Clark St & Wrightwood Ave | Ashland Ave & Wrightwood Ave | casual |
| D8CC3D57B5DD2453 | 2023-11-05 01:57:39.000000 UTC | 2023-11-05 01:14:02.000000 UTC | classic\_bike | Damen Ave & Cortland St | Campbell Ave & Fullerton Ave | casual |
| 6F9C6ECAB4E405CD | 2023-11-05 01:48:55.000000 UTC | 2023-11-05 01:04:35.000000 UTC | electric\_bike | Lincoln Ave & Addison St | Humboldt Blvd & Armitage Ave | casual |
| E0F4A67F411E55B0 | 2023-11-05 01:28:02.000000 UTC | 2023-11-05 01:22:59.000000 UTC | electric\_bike | Unknown | Kedzie Ave & 21st St | casual |
| B2B8988D190B2432 | 2023-11-05 01:45:26.000000 UTC | 2023-11-05 01:10:42.000000 UTC | classic\_bike | State St & 79th St | Loomis Blvd & 84th St | casual |
| 0E4640727904D43E | 2024-03-24 18:24:56.000000 UTC | 2024-03-24 18:24:55.000000 UTC | electric\_bike | Public Rack - Milwaukee Ave & Higgins Ave | Public Rack - Milwaukee Ave & Higgins Ave | casual |
| A79DE4A08B4ECBAE | 2024-04-13 17:32:44.000000 UTC | 2024-04-13 17:31:14.000000 UTC | electric\_bike | Unknown | Indiana Ave & Roosevelt Rd | casual |
| 885717FC29909895 | 2024-04-14 12:01:54.000000 UTC | 2024-04-14 12:01:53.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 2657AE65F72DEC8D | 2024-01-18 10:16:56.000000 UTC | 2024-01-18 09:41:37.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 3C65840C0E4A5224 | 2024-04-27 08:30:28.000000 UTC | 2024-04-27 08:30:27.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 1F9FE4D49BC67296 | 2024-01-17 18:34:15.000000 UTC | 2024-01-17 17:52:59.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 5B340B2CD0DE3646 | 2024-04-25 05:41:45.000000 UTC | 2024-04-25 05:41:44.000000 UTC | electric\_bike | Unknown | Unknown | member |
| FB328A8CA5950678 | 2024-01-18 11:39:00.000000 UTC | 2024-01-18 11:38:59.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 5EE1C878E6568E7C | 2023-12-27 20:36:35.000000 UTC | 2023-12-27 20:36:33.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 69A47DD118FE3E40 | 2023-12-07 16:43:01.000000 UTC | 2023-12-07 16:42:59.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 50842468D03C1919 | 2024-03-26 19:28:59.000000 UTC | 2024-03-26 19:28:28.000000 UTC | electric\_bike | Unknown | Unknown | member |
| E65DEE92D7C9317D | 2024-03-28 12:19:20.000000 UTC | 2024-03-28 12:19:19.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 144C66F2949E009D | 2024-04-06 13:29:21.000000 UTC | 2024-04-06 13:29:20.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 3ADCE21FEE848DAC | 2024-01-18 09:59:36.000000 UTC | 2024-01-18 09:19:38.000000 UTC | electric\_bike | Ellis Ave & 55th St | Unknown | member |
| DCD7132DDACEBCF7 | 2023-11-05 01:29:10.000000 UTC | 2023-11-05 01:12:17.000000 UTC | electric\_bike | Sedgwick St & Huron St | Unknown | casual |
| AFAE2ACA12524D1A | 2023-11-05 01:56:18.000000 UTC | 2023-11-05 01:08:34.000000 UTC | electric\_bike | Damen Ave & Cortland St | Unknown | casual |
| D70F44AC331A6E95 | 2024-03-19 14:48:08.000000 UTC | 2024-03-19 14:48:07.000000 UTC | electric\_bike | Wells St & Evergreen Ave | Unknown | casual |
| 22948162FC8FADFC | 2024-04-05 23:25:45.000000 UTC | 2024-04-05 23:25:43.000000 UTC | electric\_bike | Pine Grove Ave & Waveland Ave | Unknown | member |
| E209F1BAD2DD6FBA | 2024-04-13 12:59:30.000000 UTC | 2024-04-13 12:59:29.000000 UTC | electric\_bike | Museum of Science and Industry | Museum of Science and Industry | casual |
| FA955E7CD0449026 | 2024-04-17 16:52:17.000000 UTC | 2024-04-17 16:52:16.000000 UTC | electric\_bike | Wells St & Elm St | Wells St & Elm St | member |
| B94077F69CC627E5 | 2023-11-05 01:44:22.000000 UTC | 2023-11-05 01:01:58.000000 UTC | electric\_bike | Larrabee St & Kingsbury St | Wabash Ave & Grand Ave | casual |
| 63EC97E09E8620ED | 2024-02-29 16:17:28.000000 UTC | 2024-02-29 16:17:03.000000 UTC | electric\_bike | Unknown | Unknown | member |
| F75D8921B3431AA5 | 2024-04-23 19:41:11.000000 UTC | 2024-04-23 18:33:25.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 5FAEC36BB7C28A40 | 2024-04-30 16:28:08.000000 UTC | 2024-04-30 16:28:07.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 2441ADF2B45A17CA | 2024-01-17 15:24:01.000000 UTC | 2024-01-17 14:43:19.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C4E58B946C7A0E3A | 2024-04-04 17:09:59.000000 UTC | 2024-04-04 17:09:26.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 4EA6805ED4D9D98F | 2024-01-21 22:25:24.000000 UTC | 2024-01-21 22:25:23.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 9274607CA027C196 | 2024-01-17 18:32:43.000000 UTC | 2024-01-17 17:49:06.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0F93FAE9410E4A13 | 2024-04-20 16:20:29.000000 UTC | 2024-04-19 18:57:21.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 1072195B81B05DAE | 2024-04-25 13:37:25.000000 UTC | 2024-04-25 13:37:22.000000 UTC | electric\_bike | McClurg Ct & Erie St | Unknown | casual |
| 394CAE4EE205EAB6 | 2023-12-12 20:17:56.000000 UTC | 2023-12-12 20:17:55.000000 UTC | electric\_bike | Clark St & Newport St | Unknown | casual |
| 97E948FC84B894C9 | 2024-04-08 11:35:48.000000 UTC | 2024-04-08 10:28:17.000000 UTC | electric\_bike | Broadway & Belmont Ave | Unknown | casual |
| A9CF0518718BC255 | 2024-04-04 21:14:34.000000 UTC | 2024-04-04 18:34:32.000000 UTC | electric\_bike | California Ave & Lake St | Unknown | casual |
| E5F1D37875EEC6DB | 2024-04-27 17:49:50.000000 UTC | 2024-04-27 17:49:48.000000 UTC | electric\_bike | Fairbanks Ct & Grand Ave | Unknown | casual |
| 3A8A13C546C52780 | 2024-04-23 18:13:49.000000 UTC | 2024-04-23 17:11:10.000000 UTC | electric\_bike | Clarendon Ave & Junior Ter | Unknown | casual |
| B274217D6494F25C | 2024-03-14 01:48:44.000000 UTC | 2024-03-14 01:48:41.000000 UTC | electric\_bike | Financial Pl & Ida B Wells Dr | Unknown | member |
| 9D73776DE22E7CC3 | 2023-11-05 01:51:21.000000 UTC | 2023-11-05 01:01:21.000000 UTC | classic\_bike | Western Ave & Fillmore St | May St & Taylor St | member |
| 3178F8568B02A678 | 2024-01-10 07:26:59.000000 UTC | 2024-01-10 07:26:58.000000 UTC | classic\_bike | Clark St & Leland Ave | Clark St & Leland Ave | member |
| FDE471399F8215CA | 2024-03-03 10:33:08.000000 UTC | 2024-03-03 10:33:07.000000 UTC | electric\_bike | Dayton St & North Ave | Dayton St & North Ave | casual |
| A489603D9978449C | 2024-03-28 19:26:22.000000 UTC | 2024-03-28 19:26:20.000000 UTC | electric\_bike | Campbell Ave & 51st St | Campbell Ave & 51st St | casual |
| E6EC9E1EBAA6045D | 2024-03-09 18:05:56.000000 UTC | 2024-03-09 18:03:04.000000 UTC | electric\_bike | Unknown | Wells St & Randolph St | casual |
| 7810FCDAA70DAFA5 | 2024-04-02 07:56:06.000000 UTC | 2024-04-02 07:55:10.000000 UTC | electric\_bike | Unknown | Ada St & Washington Blvd | member |
| DCA596368AD72625 | 2023-12-05 17:12:57.000000 UTC | 2023-12-05 17:12:45.000000 UTC | electric\_bike | Elston Ave & Cortland St | Elston Ave & Cortland St | member |
| 0129ED570EF2C20E | 2023-12-11 19:31:28.000000 UTC | 2023-12-11 19:31:27.000000 UTC | classic\_bike | Loomis St & Lexington St | Loomis St & Lexington St | member |
| 4C5F9055282D516D | 2023-11-05 01:52:52.000000 UTC | 2023-11-05 01:02:36.000000 UTC | electric\_bike | Unknown | Ashland Ave & Division St | member |
| D0AA61C39C6A4403 | 2023-11-05 01:51:59.000000 UTC | 2023-11-05 01:02:34.000000 UTC | classic\_bike | Damen Ave & Cortland St | Damen Ave & Wellington Ave | casual |
| CDE6EADF5CA8D2FD | 2023-11-05 01:49:04.000000 UTC | 2023-11-05 01:06:38.000000 UTC | classic\_bike | Sheffield Ave & Waveland Ave | Racine Ave & Fullerton Ave | member |
| A2B29BF080FD1672 | 2023-11-05 01:55:41.000000 UTC | 2023-11-05 01:03:22.000000 UTC | classic\_bike | Damen Ave & Cortland St | Campbell Ave & Fullerton Ave | casual |
| 82FA24C7AC3312B9 | 2024-02-27 22:50:47.000000 UTC | 2024-02-27 22:50:46.000000 UTC | electric\_bike | Sheffield Ave & Wrightwood Ave | Sheffield Ave & Wrightwood Ave | member |
| 7AA6097D97348745 | 2024-04-14 08:56:30.000000 UTC | 2024-04-14 08:56:28.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 224F89E21A390D45 | 2023-11-05 01:53:11.000000 UTC | 2023-11-05 01:12:07.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 4E9C2F3A75ECDECC | 2024-04-23 13:59:31.000000 UTC | 2024-04-23 13:59:28.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 418067FB2AECD0E5 | 2024-04-18 14:02:16.000000 UTC | 2024-04-18 14:02:15.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 342C65E863A728CB | 2024-04-08 11:44:30.000000 UTC | 2024-04-08 10:39:48.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 16A9D3A073BA48C8 | 2024-04-08 13:16:27.000000 UTC | 2024-04-08 12:11:29.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 3CFD92C1661FD4BE | 2024-04-14 00:35:10.000000 UTC | 2024-04-13 23:22:29.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| B14B4DB23DEFD8B7 | 2024-03-09 06:22:15.000000 UTC | 2024-03-09 06:22:08.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C2576FDE55B2865B | 2023-11-28 08:36:14.000000 UTC | 2023-11-28 08:36:13.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 7F7761C9F6025CCF | 2024-01-22 10:57:44.000000 UTC | 2024-01-22 10:19:22.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 111CAFE72EEF15A1 | 2024-03-14 07:09:32.000000 UTC | 2024-03-14 07:09:31.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| B7E6C2DE1EF832D4 | 2024-02-26 13:50:58.000000 UTC | 2024-02-26 13:50:45.000000 UTC | electric\_bike | Unknown | Unknown | member |
| E8258F73033F2410 | 2024-03-09 12:18:00.000000 UTC | 2024-03-09 12:17:57.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 65B9E3021C6D1D73 | 2024-04-29 07:16:23.000000 UTC | 2024-04-29 07:16:20.000000 UTC | electric\_bike | Indiana Ave & 31st St | Unknown | member |
| CCC615D85064697D | 2023-12-05 18:04:30.000000 UTC | 2023-12-05 18:04:29.000000 UTC | electric\_bike | Broadway & Sheridan Rd | Unknown | member |
| FE49E534473CCF11 | 2023-11-05 10:05:19.000000 UTC | 2023-11-05 10:05:16.000000 UTC | electric\_bike | Ashland Ave & Grand Ave | Unknown | casual |
| 7C2B9266971D5862 | 2024-01-21 14:57:56.000000 UTC | 2024-01-21 14:21:04.000000 UTC | electric\_bike | Lake Park Ave & 53rd St | Unknown | member |
| 8ADAD4C495D80A3C | 2023-11-05 01:55:13.000000 UTC | 2023-11-05 01:03:19.000000 UTC | electric\_bike | Larrabee St & North Ave | Unknown | member |
| 97EDC7877635B082 | 2024-03-26 18:50:18.000000 UTC | 2024-03-26 18:50:17.000000 UTC | electric\_bike | Ashland Ave & McDowell Ave | Unknown | casual |
| 9988675FCF1834B4 | 2024-03-14 16:56:05.000000 UTC | 2024-03-14 16:56:02.000000 UTC | electric\_bike | Indiana Ave & Roosevelt Rd | Unknown | casual |
| D5E274F3D04EF419 | 2023-11-05 01:52:56.000000 UTC | 2023-11-05 01:05:04.000000 UTC | classic\_bike | Racine Ave & Fullerton Ave | Broadway & Barry Ave | casual |
| C182738D5AF4775B | 2023-11-05 01:54:15.000000 UTC | 2023-11-05 01:01:33.000000 UTC | classic\_bike | Halsted St & 21st St | Racine Ave & 18th St | casual |
| 5C5FCC49C148635F | 2023-11-05 01:55:47.000000 UTC | 2023-11-05 01:01:13.000000 UTC | classic\_bike | Halsted St & Wrightwood Ave | Halsted St & Roscoe St | member |
| 50E1E759699E32CB | 2023-11-05 01:32:55.000000 UTC | 2023-11-05 01:07:47.000000 UTC | electric\_bike | California Ave & Altgeld St | Paulina St & Howard St | member |
| 1D345E6119C7A70F | 2023-11-05 01:53:53.000000 UTC | 2023-11-05 01:02:09.000000 UTC | electric\_bike | Unknown | Franklin St & Chicago Ave | casual |
| 700BEA2D3DA173DC | 2024-04-14 12:24:49.000000 UTC | 2024-04-14 12:24:48.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 81B38AD811607AD3 | 2023-11-17 21:10:11.000000 UTC | 2023-11-17 21:10:10.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0F18F7290DC8A5BC | 2023-11-05 01:51:18.000000 UTC | 2023-11-05 01:18:19.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 7E4A8A640DB48F3E | 2023-11-10 00:10:05.000000 UTC | 2023-11-10 00:10:04.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C21D8F8D7D1CBA69 | 2024-03-04 16:34:17.000000 UTC | 2024-03-04 16:34:02.000000 UTC | electric\_bike | Canal St & Madison St | Unknown | casual |
| B2984B7F4D2DEC49 | 2024-04-08 19:07:25.000000 UTC | 2024-04-08 18:05:21.000000 UTC | electric\_bike | Broadway & Cornelia Ave | Unknown | member |
| 15792904345CE6AE | 2024-01-08 08:21:34.000000 UTC | 2024-01-08 08:21:33.000000 UTC | electric\_bike | Honore St & Division St | Unknown | member |
| 17EC5C53A09BFE59 | 2023-12-10 16:35:31.000000 UTC | 2023-12-10 16:35:30.000000 UTC | electric\_bike | Wacker Dr & Washington St | Unknown | member |
| A21D6507DA3C5AD4 | 2023-11-05 16:41:54.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Pine Grove Ave & Irving Park Rd | Unknown | member |
| 6F63FD8C2CC7528E | 2024-04-26 20:15:04.000000 UTC | 2024-04-26 20:14:51.000000 UTC | electric\_bike | DuSable Lake Shore Dr & Belmont Ave | Unknown | casual |
| FBDEF92A65F125D9 | 2023-11-05 01:58:37.000000 UTC | 2023-11-05 01:05:42.000000 UTC | classic\_bike | LaSalle Dr & Huron St | Clark St & Elm St | casual |
| 05673545F40646D6 | 2023-11-05 01:55:40.000000 UTC | 2023-11-05 01:09:56.000000 UTC | classic\_bike | New St & Illinois St | Wabash Ave & 9th St | member |
| A9CD9CDCDA36C70D | 2023-11-29 08:33:19.000000 UTC | 2023-11-29 08:28:24.000000 UTC | electric\_bike | Unknown | Canal St & Madison St | casual |
| EFB7F49DC1AE9DF8 | 2024-03-26 16:25:41.000000 UTC | 2024-03-26 16:23:28.000000 UTC | electric\_bike | Unknown | Michigan Ave & Oak St | casual |
| 8C064B51CD2F055F | 2023-11-05 01:55:49.000000 UTC | 2023-11-05 01:09:42.000000 UTC | classic\_bike | Halsted St & Wrightwood Ave | Broadway & Sheridan Rd | member |
| 368C90D097E27F50 | 2023-11-05 01:54:53.000000 UTC | 2023-11-05 01:02:56.000000 UTC | classic\_bike | Larrabee St & Armitage Ave | Clark St & Drummond Pl | casual |
| CBC3A0665918F8B1 | 2024-03-06 15:58:40.000000 UTC | 2024-03-06 15:58:39.000000 UTC | electric\_bike | Unknown | N Green St & W Lake St | member |
| 6D8E3C6D0FABDA21 | 2024-04-17 19:22:28.000000 UTC | 2024-04-17 19:22:11.000000 UTC | electric\_bike | Unknown | Green St & Randolph St\* | member |
| 2AE638AB52A28DB9 | 2023-11-30 16:17:29.000000 UTC | 2023-11-30 16:14:31.000000 UTC | electric\_bike | Unknown | Peoria St & Jackson Blvd | member |
| D17C0701A2AC27A8 | 2023-11-05 01:53:49.000000 UTC | 2023-11-05 01:00:41.000000 UTC | classic\_bike | Halsted St & Wrightwood Ave | Sedgwick St & Webster Ave | member |
| 827E392A595EAD38 | 2024-04-23 06:35:19.000000 UTC | 2024-04-23 06:35:18.000000 UTC | electric\_bike | Green St & Washington Blvd | Green St & Washington Blvd | member |
| 48E5D7F4CF684B96 | 2024-04-24 13:16:10.000000 UTC | 2024-04-24 12:18:56.000000 UTC | electric\_bike | Unknown | Washtenaw Ave & Peterson Ave | member |
| 615871A09A52258F | 2023-11-05 01:52:27.000000 UTC | 2023-11-05 01:23:03.000000 UTC | classic\_bike | Damen Ave & Cortland St | Ravenswood Ave & Lawrence Ave | casual |

| ride\_id | started\_at | ended\_at | rideable\_type | start\_station\_name | end\_station\_name | member\_casual |
| --- | --- | --- | --- | --- | --- | --- |
| BA2196185D803CAB | 2024-04-29 16:08:11.000000 UTC | 2024-04-29 16:08:10.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0D7869A701792021 | 2024-01-17 14:40:58.000000 UTC | 2024-01-17 14:02:13.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 8A5539BF7A770638 | 2024-04-23 07:57:27.000000 UTC | 2024-04-23 06:44:49.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 998B2907B57E46C8 | 2024-04-17 16:43:08.000000 UTC | 2024-04-17 15:33:48.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0011B677A5131275 | 2024-01-17 19:42:05.000000 UTC | 2024-01-17 19:01:26.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 40405DE1BEB5A318 | 2024-04-23 19:57:00.000000 UTC | 2024-04-23 18:48:29.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 73757DF9F5D9EFBA | 2023-11-21 13:22:05.000000 UTC | 2023-11-21 13:22:04.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 8B7F834F45A13D9A | 2024-02-28 12:38:51.000000 UTC | 2024-02-28 12:38:50.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 348C9F7C40B1549A | 2024-04-08 12:50:04.000000 UTC | 2024-04-08 11:42:12.000000 UTC | electric\_bike | Unknown | Unknown | member |
| ACFF55150DC33066 | 2024-04-17 16:55:12.000000 UTC | 2024-04-17 15:45:32.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C600F15DD9DB74A2 | 2024-01-17 16:40:14.000000 UTC | 2024-01-17 16:40:13.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C7455737A1D3094F | 2024-04-23 08:14:32.000000 UTC | 2024-04-23 08:14:29.000000 UTC | electric\_bike | Damen Ave & Grand Ave | Unknown | casual |
| 343400C6D4F9B4F5 | 2023-11-05 01:35:49.000000 UTC | 2023-11-05 01:02:38.000000 UTC | electric\_bike | Prairie Ave & 43rd St | Unknown | casual |
| 7850F6E2343BF766 | 2023-11-01 16:38:10.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Clark St & Drummond Pl | Unknown | casual |
| EE37F58076FC6659 | 2024-04-21 19:22:28.000000 UTC | 2024-04-21 17:27:28.000000 UTC | electric\_bike | State St & Randolph St | Unknown | casual |
| 883F7DD2DC1B3529 | 2024-04-13 16:32:40.000000 UTC | 2024-04-13 16:32:34.000000 UTC | electric\_bike | Knox Ave & Montrose Ave | Unknown | casual |
| 3738113B5DD12492 | 2024-04-01 18:49:28.000000 UTC | 2024-04-01 18:49:27.000000 UTC | electric\_bike | Racine Ave & Belmont Ave | Unknown | casual |
| E9ACB82CFA405203 | 2024-04-17 12:49:53.000000 UTC | 2024-04-17 12:49:51.000000 UTC | electric\_bike | Michigan Ave & Pearson St | Unknown | casual |
| 7CC832763E3DE65A | 2024-02-22 14:58:19.000000 UTC | 2024-02-22 14:58:18.000000 UTC | electric\_bike | California Ave & Milwaukee Ave | Unknown | casual |
| DE66BFB1053661E6 | 2024-04-17 11:10:03.000000 UTC | 2024-04-17 10:07:43.000000 UTC | electric\_bike | Damen Ave & Thomas St (Augusta Blvd) | Unknown | member |
| F152040F707513F8 | 2023-11-05 01:57:06.000000 UTC | 2023-11-05 01:05:21.000000 UTC | electric\_bike | Unknown | Clark St & Elm St | member |
| 0CAA09888F8500A4 | 2023-11-30 19:17:34.000000 UTC | 2023-11-30 19:17:17.000000 UTC | electric\_bike | Unknown | Morgan St & Lake St\* | member |
| 0AF3917F317F4C5F | 2023-11-05 01:54:43.000000 UTC | 2023-11-05 01:01:31.000000 UTC | classic\_bike | Halsted St & 21st St | Racine Ave & 18th St | casual |
| C8877899E19F9ECE | 2023-12-27 13:39:26.000000 UTC | 2023-12-27 13:39:25.000000 UTC | classic\_bike | State St & Chicago Ave | State St & Chicago Ave | member |
| 61E5500E59B492F2 | 2023-11-05 01:56:06.000000 UTC | 2023-11-05 01:17:33.000000 UTC | electric\_bike | LaSalle St & Illinois St | LaSalle St & Illinois St | member |
| B58B23D23768342C | 2023-11-24 14:09:16.000000 UTC | 2023-11-24 14:09:15.000000 UTC | electric\_bike | Ogden Ave & Roosevelt Rd | Ogden Ave & Roosevelt Rd | member |
| 274EDE47C11F43AF | 2023-11-05 01:55:51.000000 UTC | 2023-11-05 01:02:37.000000 UTC | classic\_bike | Southport Ave & Wellington Ave | Southport Ave & Wrightwood Ave | casual |
| B38A610CA69D097D | 2024-04-06 12:56:12.000000 UTC | 2024-04-06 12:56:11.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 7C0E4814223D9710 | 2023-12-07 22:20:28.000000 UTC | 2023-12-07 22:05:49.000000 UTC | electric\_bike | Clifton Ave & Armitage Ave | W Armitage Ave & N Sheffield Ave | member |
| 2F06C2DAA41BEB85 | 2024-01-17 16:31:17.000000 UTC | 2024-01-17 15:50:35.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 2EF61FB1465E9D97 | 2024-04-08 12:37:38.000000 UTC | 2024-04-08 11:29:01.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 3205F38B05D722FA | 2024-01-17 17:18:32.000000 UTC | 2024-01-17 16:39:13.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C2981B7D7336D69A | 2024-03-16 19:06:15.000000 UTC | 2024-03-16 19:06:10.000000 UTC | electric\_bike | Unknown | Unknown | member |
| AF517DF24EAE7E4A | 2023-11-19 20:10:19.000000 UTC | 2023-11-19 19:16:24.000000 UTC | electric\_bike | Wabash Ave & 9th St | Unknown | member |
| E7AEA0F0C9F03D6E | 2024-03-13 12:11:02.000000 UTC | 2024-03-13 12:11:00.000000 UTC | electric\_bike | Racine Ave & 13th St | Unknown | casual |
| D3BEC53B9A611EFA | 2024-03-13 20:01:40.000000 UTC | 2024-03-13 20:01:38.000000 UTC | electric\_bike | Racine Ave & 13th St | Unknown | casual |
| 5A5DDAFFF234FB69 | 2023-11-01 14:07:31.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Clark St & Drummond Pl | Unknown | member |
| 7FCB39FE1C9BD189 | 2024-04-13 18:33:40.000000 UTC | 2024-04-13 18:33:36.000000 UTC | electric\_bike | Clark St & Lincoln Ave | Unknown | member |
| 16EA9666CD755B1A | 2024-03-25 11:08:14.000000 UTC | 2024-03-25 11:08:11.000000 UTC | electric\_bike | Michigan Ave & 14th St | Unknown | member |
| BA4AA1B024F46893 | 2024-03-09 09:43:36.000000 UTC | 2024-03-09 09:43:35.000000 UTC | electric\_bike | Clark St & Wrightwood Ave | Unknown | member |
| 2A616CC146F5E254 | 2024-04-07 13:03:39.000000 UTC | 2024-04-07 12:00:09.000000 UTC | electric\_bike | Hampden Ct & Diversey Ave | Unknown | member |
| 3896F65BC5DCB40F | 2024-04-09 22:31:05.000000 UTC | 2024-04-09 21:24:35.000000 UTC | electric\_bike | Sheffield Ave & Waveland Ave | Unknown | member |
| AE046C379C20B7CA | 2023-11-05 20:46:59.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Sheridan Rd & Irving Park Rd | Unknown | member |
| 32DBE31D7DB9F6EF | 2024-04-14 12:35:43.000000 UTC | 2024-04-14 12:35:41.000000 UTC | electric\_bike | Lakeview Ave & Fullerton Pkwy | Unknown | casual |
| A3B42B2C840F7C4D | 2023-11-05 01:54:59.000000 UTC | 2023-11-05 01:10:53.000000 UTC | electric\_bike | Milwaukee Ave & Fullerton Ave | Halsted St & Fulton St | member |
| 2256D82E68EF7356 | 2024-03-06 15:50:51.000000 UTC | 2024-03-06 15:50:49.000000 UTC | electric\_bike | Unknown | N Green St & W Lake St | casual |
| 7934DBD46A7BB934 | 2023-12-06 16:07:40.000000 UTC | 2023-12-06 16:07:37.000000 UTC | electric\_bike | Unknown | Green St & Randolph St\* | member |
| 822A055416791A8D | 2023-11-05 01:55:07.000000 UTC | 2023-11-05 01:02:40.000000 UTC | classic\_bike | Larrabee St & Armitage Ave | Sedgwick St & North Ave | casual |
| 01FA13FE99BBC19A | 2023-11-05 01:49:13.000000 UTC | 2023-11-05 01:06:50.000000 UTC | classic\_bike | Sheffield Ave & Waveland Ave | Racine Ave & Fullerton Ave | member |
| 3A5E940DF2EE5625 | 2023-11-05 01:51:22.000000 UTC | 2023-11-05 01:02:48.000000 UTC | electric\_bike | Richmond St & Diversey Ave | Spaulding Ave & Division St | casual |
| DB2DDD2D2921A320 | 2024-04-22 17:29:38.000000 UTC | 2024-04-22 17:29:37.000000 UTC | electric\_bike | Bloomingdale Ave & Harlem Ave | Bloomingdale Ave & Harlem Ave | member |
| BD6EB90ADA429918 | 2024-04-22 09:03:12.000000 UTC | 2024-04-22 09:03:11.000000 UTC | classic\_bike | Financial Pl & Ida B Wells Dr | Financial Pl & Ida B Wells Dr | member |
| BEBF8F1DB0631694 | 2024-03-30 23:35:17.000000 UTC | 2024-03-30 23:35:16.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 1B5FAE0E104A31A5 | 2024-01-17 16:57:51.000000 UTC | 2024-01-17 16:57:50.000000 UTC | electric\_bike | Unknown | Unknown | member |
| B4815ABE997F7075 | 2024-04-14 14:24:33.000000 UTC | 2024-04-14 14:24:32.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 5AB3D70A92A6F3FB | 2024-04-08 13:28:26.000000 UTC | 2024-04-08 12:21:25.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| FD35DEFF76D30A65 | 2024-04-17 11:44:57.000000 UTC | 2024-04-17 10:47:23.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 41420140158642B2 | 2024-01-17 20:56:18.000000 UTC | 2024-01-17 20:56:17.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| FF956B8B37D6E74E | 2024-01-13 21:34:20.000000 UTC | 2024-01-13 21:34:19.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C03396DD31FD583C | 2024-03-27 10:52:54.000000 UTC | 2024-03-27 10:52:53.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 50844DD11A48ECE8 | 2024-04-29 08:18:38.000000 UTC | 2024-04-29 08:18:36.000000 UTC | electric\_bike | Unknown | Unknown | member |
| A5D6A249E97DBBB1 | 2023-11-28 07:49:51.000000 UTC | 2023-11-28 07:49:47.000000 UTC | electric\_bike | Unknown | Morgan St & Lake St\* | member |
| 4430A01165AB3F20 | 2024-03-06 12:33:13.000000 UTC | 2024-03-06 12:33:11.000000 UTC | electric\_bike | Unknown | N Green St & W Lake St | member |
| 1C3FE4D46FF75C81 | 2023-11-19 18:36:33.000000 UTC | 2023-11-19 18:33:20.000000 UTC | electric\_bike | Unknown | Racine Ave & Belmont Ave | casual |
| 93BE6ED18893BEDF | 2023-11-05 01:50:49.000000 UTC | 2023-11-05 01:05:45.000000 UTC | electric\_bike | Unknown | Clark St & Wrightwood Ave | member |
| C0BD4634E7702B7A | 2024-04-21 11:22:38.000000 UTC | 2024-04-21 11:22:37.000000 UTC | electric\_bike | Unknown | N Sheffield Ave & W Wellington Ave | member |
| A4C89D792F20A0DD | 2023-11-05 01:59:47.000000 UTC | 2023-11-05 01:12:15.000000 UTC | electric\_bike | Millennium Park | Unknown | casual |
| D688B0ED24D11C65 | 2024-01-21 17:22:48.000000 UTC | 2024-01-21 16:44:58.000000 UTC | electric\_bike | Ellis Ave & 55th St | Unknown | member |
| 7E01CBDCCFF7E1DC | 2023-11-16 17:34:44.000000 UTC | 2023-11-16 17:34:43.000000 UTC | electric\_bike | Canal St & Monroe St | Canal St & Monroe St | casual |
| 12C127FAD1B90719 | 2024-04-08 19:49:10.000000 UTC | 2024-04-08 19:49:09.000000 UTC | electric\_bike | McClurg Ct & Ohio St | Unknown | member |
| 83192DD2002545D0 | 2023-11-05 01:59:44.000000 UTC | 2023-11-05 01:12:56.000000 UTC | classic\_bike | Racine Ave & 13th St | Emerald Ave & 31st St | casual |
| EB72A24F424FA26E | 2023-11-15 12:26:24.000000 UTC | 2023-11-15 12:26:21.000000 UTC | electric\_bike | Broadway & Wilson Ave | Unknown | member |
| 3FE1CB266FEFC4F8 | 2023-11-05 01:56:53.000000 UTC | 2023-11-05 01:06:00.000000 UTC | classic\_bike | Dearborn St & Erie St | Ogden Ave & Chicago Ave | member |
| B9C22958E273FFE6 | 2023-11-05 01:50:34.000000 UTC | 2023-11-05 01:06:31.000000 UTC | classic\_bike | Damen Ave & Melrose Ave | California Ave & North Ave | casual |
| F584D47AE67FD388 | 2023-11-05 21:08:17.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Sheffield Ave & Waveland Ave | Unknown | casual |
| DEC5EF8DE27398A0 | 2023-11-05 11:56:19.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Pine Grove Ave & Irving Park Rd | Unknown | casual |
| F4E0FC9C8D9E41AF | 2023-11-05 01:43:51.000000 UTC | 2023-11-05 01:00:17.000000 UTC | electric\_bike | DuSable Lake Shore Dr & Wellington Ave | Unknown | member |
| C790110281F730F7 | 2024-04-26 10:58:52.000000 UTC | 2024-04-26 10:58:50.000000 UTC | electric\_bike | DuSable Lake Shore Dr & Wellington Ave | Unknown | member |
| EB53842F17F73958 | 2023-11-05 01:52:56.000000 UTC | 2023-11-05 01:00:53.000000 UTC | electric\_bike | Wolcott (Ravenswood) Ave & Montrose Ave | Unknown | member |
| 12E1C647CE444727 | 2023-11-05 01:42:50.000000 UTC | 2023-11-05 01:05:30.000000 UTC | classic\_bike | Larrabee St & Webster Ave | Ashland Ave & Division St | casual |
| 4B09F814AA33731D | 2023-11-05 01:58:10.000000 UTC | 2023-11-05 01:13:55.000000 UTC | classic\_bike | Clark St & Wrightwood Ave | Ashland Ave & Wrightwood Ave | casual |
| D8CC3D57B5DD2453 | 2023-11-05 01:57:39.000000 UTC | 2023-11-05 01:14:02.000000 UTC | classic\_bike | Damen Ave & Cortland St | Campbell Ave & Fullerton Ave | casual |
| 6F9C6ECAB4E405CD | 2023-11-05 01:48:55.000000 UTC | 2023-11-05 01:04:35.000000 UTC | electric\_bike | Lincoln Ave & Addison St | Humboldt Blvd & Armitage Ave | casual |
| E0F4A67F411E55B0 | 2023-11-05 01:28:02.000000 UTC | 2023-11-05 01:22:59.000000 UTC | electric\_bike | Unknown | Kedzie Ave & 21st St | casual |
| B2B8988D190B2432 | 2023-11-05 01:45:26.000000 UTC | 2023-11-05 01:10:42.000000 UTC | classic\_bike | State St & 79th St | Loomis Blvd & 84th St | casual |
| 0E4640727904D43E | 2024-03-24 18:24:56.000000 UTC | 2024-03-24 18:24:55.000000 UTC | electric\_bike | Public Rack - Milwaukee Ave & Higgins Ave | Public Rack - Milwaukee Ave & Higgins Ave | casual |
| A79DE4A08B4ECBAE | 2024-04-13 17:32:44.000000 UTC | 2024-04-13 17:31:14.000000 UTC | electric\_bike | Unknown | Indiana Ave & Roosevelt Rd | casual |
| 885717FC29909895 | 2024-04-14 12:01:54.000000 UTC | 2024-04-14 12:01:53.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 2657AE65F72DEC8D | 2024-01-18 10:16:56.000000 UTC | 2024-01-18 09:41:37.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 3C65840C0E4A5224 | 2024-04-27 08:30:28.000000 UTC | 2024-04-27 08:30:27.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 1F9FE4D49BC67296 | 2024-01-17 18:34:15.000000 UTC | 2024-01-17 17:52:59.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 5B340B2CD0DE3646 | 2024-04-25 05:41:45.000000 UTC | 2024-04-25 05:41:44.000000 UTC | electric\_bike | Unknown | Unknown | member |
| FB328A8CA5950678 | 2024-01-18 11:39:00.000000 UTC | 2024-01-18 11:38:59.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 5EE1C878E6568E7C | 2023-12-27 20:36:35.000000 UTC | 2023-12-27 20:36:33.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 69A47DD118FE3E40 | 2023-12-07 16:43:01.000000 UTC | 2023-12-07 16:42:59.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 50842468D03C1919 | 2024-03-26 19:28:59.000000 UTC | 2024-03-26 19:28:28.000000 UTC | electric\_bike | Unknown | Unknown | member |
| E65DEE92D7C9317D | 2024-03-28 12:19:20.000000 UTC | 2024-03-28 12:19:19.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 144C66F2949E009D | 2024-04-06 13:29:21.000000 UTC | 2024-04-06 13:29:20.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 3ADCE21FEE848DAC | 2024-01-18 09:59:36.000000 UTC | 2024-01-18 09:19:38.000000 UTC | electric\_bike | Ellis Ave & 55th St | Unknown | member |
| DCD7132DDACEBCF7 | 2023-11-05 01:29:10.000000 UTC | 2023-11-05 01:12:17.000000 UTC | electric\_bike | Sedgwick St & Huron St | Unknown | casual |
| AFAE2ACA12524D1A | 2023-11-05 01:56:18.000000 UTC | 2023-11-05 01:08:34.000000 UTC | electric\_bike | Damen Ave & Cortland St | Unknown | casual |
| D70F44AC331A6E95 | 2024-03-19 14:48:08.000000 UTC | 2024-03-19 14:48:07.000000 UTC | electric\_bike | Wells St & Evergreen Ave | Unknown | casual |
| 22948162FC8FADFC | 2024-04-05 23:25:45.000000 UTC | 2024-04-05 23:25:43.000000 UTC | electric\_bike | Pine Grove Ave & Waveland Ave | Unknown | member |
| E209F1BAD2DD6FBA | 2024-04-13 12:59:30.000000 UTC | 2024-04-13 12:59:29.000000 UTC | electric\_bike | Museum of Science and Industry | Museum of Science and Industry | casual |
| FA955E7CD0449026 | 2024-04-17 16:52:17.000000 UTC | 2024-04-17 16:52:16.000000 UTC | electric\_bike | Wells St & Elm St | Wells St & Elm St | member |
| B94077F69CC627E5 | 2023-11-05 01:44:22.000000 UTC | 2023-11-05 01:01:58.000000 UTC | electric\_bike | Larrabee St & Kingsbury St | Wabash Ave & Grand Ave | casual |
| 63EC97E09E8620ED | 2024-02-29 16:17:28.000000 UTC | 2024-02-29 16:17:03.000000 UTC | electric\_bike | Unknown | Unknown | member |
| F75D8921B3431AA5 | 2024-04-23 19:41:11.000000 UTC | 2024-04-23 18:33:25.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 5FAEC36BB7C28A40 | 2024-04-30 16:28:08.000000 UTC | 2024-04-30 16:28:07.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 2441ADF2B45A17CA | 2024-01-17 15:24:01.000000 UTC | 2024-01-17 14:43:19.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C4E58B946C7A0E3A | 2024-04-04 17:09:59.000000 UTC | 2024-04-04 17:09:26.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 4EA6805ED4D9D98F | 2024-01-21 22:25:24.000000 UTC | 2024-01-21 22:25:23.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 9274607CA027C196 | 2024-01-17 18:32:43.000000 UTC | 2024-01-17 17:49:06.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0F93FAE9410E4A13 | 2024-04-20 16:20:29.000000 UTC | 2024-04-19 18:57:21.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 1072195B81B05DAE | 2024-04-25 13:37:25.000000 UTC | 2024-04-25 13:37:22.000000 UTC | electric\_bike | McClurg Ct & Erie St | Unknown | casual |
| 394CAE4EE205EAB6 | 2023-12-12 20:17:56.000000 UTC | 2023-12-12 20:17:55.000000 UTC | electric\_bike | Clark St & Newport St | Unknown | casual |
| 97E948FC84B894C9 | 2024-04-08 11:35:48.000000 UTC | 2024-04-08 10:28:17.000000 UTC | electric\_bike | Broadway & Belmont Ave | Unknown | casual |
| A9CF0518718BC255 | 2024-04-04 21:14:34.000000 UTC | 2024-04-04 18:34:32.000000 UTC | electric\_bike | California Ave & Lake St | Unknown | casual |
| E5F1D37875EEC6DB | 2024-04-27 17:49:50.000000 UTC | 2024-04-27 17:49:48.000000 UTC | electric\_bike | Fairbanks Ct & Grand Ave | Unknown | casual |
| 3A8A13C546C52780 | 2024-04-23 18:13:49.000000 UTC | 2024-04-23 17:11:10.000000 UTC | electric\_bike | Clarendon Ave & Junior Ter | Unknown | casual |
| B274217D6494F25C | 2024-03-14 01:48:44.000000 UTC | 2024-03-14 01:48:41.000000 UTC | electric\_bike | Financial Pl & Ida B Wells Dr | Unknown | member |
| 9D73776DE22E7CC3 | 2023-11-05 01:51:21.000000 UTC | 2023-11-05 01:01:21.000000 UTC | classic\_bike | Western Ave & Fillmore St | May St & Taylor St | member |
| 3178F8568B02A678 | 2024-01-10 07:26:59.000000 UTC | 2024-01-10 07:26:58.000000 UTC | classic\_bike | Clark St & Leland Ave | Clark St & Leland Ave | member |
| FDE471399F8215CA | 2024-03-03 10:33:08.000000 UTC | 2024-03-03 10:33:07.000000 UTC | electric\_bike | Dayton St & North Ave | Dayton St & North Ave | casual |
| A489603D9978449C | 2024-03-28 19:26:22.000000 UTC | 2024-03-28 19:26:20.000000 UTC | electric\_bike | Campbell Ave & 51st St | Campbell Ave & 51st St | casual |
| E6EC9E1EBAA6045D | 2024-03-09 18:05:56.000000 UTC | 2024-03-09 18:03:04.000000 UTC | electric\_bike | Unknown | Wells St & Randolph St | casual |
| 7810FCDAA70DAFA5 | 2024-04-02 07:56:06.000000 UTC | 2024-04-02 07:55:10.000000 UTC | electric\_bike | Unknown | Ada St & Washington Blvd | member |
| DCA596368AD72625 | 2023-12-05 17:12:57.000000 UTC | 2023-12-05 17:12:45.000000 UTC | electric\_bike | Elston Ave & Cortland St | Elston Ave & Cortland St | member |
| 0129ED570EF2C20E | 2023-12-11 19:31:28.000000 UTC | 2023-12-11 19:31:27.000000 UTC | classic\_bike | Loomis St & Lexington St | Loomis St & Lexington St | member |
| 4C5F9055282D516D | 2023-11-05 01:52:52.000000 UTC | 2023-11-05 01:02:36.000000 UTC | electric\_bike | Unknown | Ashland Ave & Division St | member |
| D0AA61C39C6A4403 | 2023-11-05 01:51:59.000000 UTC | 2023-11-05 01:02:34.000000 UTC | classic\_bike | Damen Ave & Cortland St | Damen Ave & Wellington Ave | casual |
| CDE6EADF5CA8D2FD | 2023-11-05 01:49:04.000000 UTC | 2023-11-05 01:06:38.000000 UTC | classic\_bike | Sheffield Ave & Waveland Ave | Racine Ave & Fullerton Ave | member |
| A2B29BF080FD1672 | 2023-11-05 01:55:41.000000 UTC | 2023-11-05 01:03:22.000000 UTC | classic\_bike | Damen Ave & Cortland St | Campbell Ave & Fullerton Ave | casual |
| 82FA24C7AC3312B9 | 2024-02-27 22:50:47.000000 UTC | 2024-02-27 22:50:46.000000 UTC | electric\_bike | Sheffield Ave & Wrightwood Ave | Sheffield Ave & Wrightwood Ave | member |
| 7AA6097D97348745 | 2024-04-14 08:56:30.000000 UTC | 2024-04-14 08:56:28.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 224F89E21A390D45 | 2023-11-05 01:53:11.000000 UTC | 2023-11-05 01:12:07.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 4E9C2F3A75ECDECC | 2024-04-23 13:59:31.000000 UTC | 2024-04-23 13:59:28.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 418067FB2AECD0E5 | 2024-04-18 14:02:16.000000 UTC | 2024-04-18 14:02:15.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 342C65E863A728CB | 2024-04-08 11:44:30.000000 UTC | 2024-04-08 10:39:48.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 16A9D3A073BA48C8 | 2024-04-08 13:16:27.000000 UTC | 2024-04-08 12:11:29.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 3CFD92C1661FD4BE | 2024-04-14 00:35:10.000000 UTC | 2024-04-13 23:22:29.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| B14B4DB23DEFD8B7 | 2024-03-09 06:22:15.000000 UTC | 2024-03-09 06:22:08.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C2576FDE55B2865B | 2023-11-28 08:36:14.000000 UTC | 2023-11-28 08:36:13.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 7F7761C9F6025CCF | 2024-01-22 10:57:44.000000 UTC | 2024-01-22 10:19:22.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 111CAFE72EEF15A1 | 2024-03-14 07:09:32.000000 UTC | 2024-03-14 07:09:31.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| B7E6C2DE1EF832D4 | 2024-02-26 13:50:58.000000 UTC | 2024-02-26 13:50:45.000000 UTC | electric\_bike | Unknown | Unknown | member |
| E8258F73033F2410 | 2024-03-09 12:18:00.000000 UTC | 2024-03-09 12:17:57.000000 UTC | electric\_bike | Unknown | Unknown | casual |
| 65B9E3021C6D1D73 | 2024-04-29 07:16:23.000000 UTC | 2024-04-29 07:16:20.000000 UTC | electric\_bike | Indiana Ave & 31st St | Unknown | member |
| CCC615D85064697D | 2023-12-05 18:04:30.000000 UTC | 2023-12-05 18:04:29.000000 UTC | electric\_bike | Broadway & Sheridan Rd | Unknown | member |
| FE49E534473CCF11 | 2023-11-05 10:05:19.000000 UTC | 2023-11-05 10:05:16.000000 UTC | electric\_bike | Ashland Ave & Grand Ave | Unknown | casual |
| 7C2B9266971D5862 | 2024-01-21 14:57:56.000000 UTC | 2024-01-21 14:21:04.000000 UTC | electric\_bike | Lake Park Ave & 53rd St | Unknown | member |
| 8ADAD4C495D80A3C | 2023-11-05 01:55:13.000000 UTC | 2023-11-05 01:03:19.000000 UTC | electric\_bike | Larrabee St & North Ave | Unknown | member |
| 97EDC7877635B082 | 2024-03-26 18:50:18.000000 UTC | 2024-03-26 18:50:17.000000 UTC | electric\_bike | Ashland Ave & McDowell Ave | Unknown | casual |
| 9988675FCF1834B4 | 2024-03-14 16:56:05.000000 UTC | 2024-03-14 16:56:02.000000 UTC | electric\_bike | Indiana Ave & Roosevelt Rd | Unknown | casual |
| D5E274F3D04EF419 | 2023-11-05 01:52:56.000000 UTC | 2023-11-05 01:05:04.000000 UTC | classic\_bike | Racine Ave & Fullerton Ave | Broadway & Barry Ave | casual |
| C182738D5AF4775B | 2023-11-05 01:54:15.000000 UTC | 2023-11-05 01:01:33.000000 UTC | classic\_bike | Halsted St & 21st St | Racine Ave & 18th St | casual |
| 5C5FCC49C148635F | 2023-11-05 01:55:47.000000 UTC | 2023-11-05 01:01:13.000000 UTC | classic\_bike | Halsted St & Wrightwood Ave | Halsted St & Roscoe St | member |
| 50E1E759699E32CB | 2023-11-05 01:32:55.000000 UTC | 2023-11-05 01:07:47.000000 UTC | electric\_bike | California Ave & Altgeld St | Paulina St & Howard St | member |
| 1D345E6119C7A70F | 2023-11-05 01:53:53.000000 UTC | 2023-11-05 01:02:09.000000 UTC | electric\_bike | Unknown | Franklin St & Chicago Ave | casual |
| 700BEA2D3DA173DC | 2024-04-14 12:24:49.000000 UTC | 2024-04-14 12:24:48.000000 UTC | electric\_bike | Unknown | W Washington Blvd & N Peoria St | member |
| 81B38AD811607AD3 | 2023-11-17 21:10:11.000000 UTC | 2023-11-17 21:10:10.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 0F18F7290DC8A5BC | 2023-11-05 01:51:18.000000 UTC | 2023-11-05 01:18:19.000000 UTC | electric\_bike | Unknown | Unknown | member |
| 7E4A8A640DB48F3E | 2023-11-10 00:10:05.000000 UTC | 2023-11-10 00:10:04.000000 UTC | electric\_bike | Unknown | Unknown | member |
| C21D8F8D7D1CBA69 | 2024-03-04 16:34:17.000000 UTC | 2024-03-04 16:34:02.000000 UTC | electric\_bike | Canal St & Madison St | Unknown | casual |
| B2984B7F4D2DEC49 | 2024-04-08 19:07:25.000000 UTC | 2024-04-08 18:05:21.000000 UTC | electric\_bike | Broadway & Cornelia Ave | Unknown | member |
| 15792904345CE6AE | 2024-01-08 08:21:34.000000 UTC | 2024-01-08 08:21:33.000000 UTC | electric\_bike | Honore St & Division St | Unknown | member |
| 17EC5C53A09BFE59 | 2023-12-10 16:35:31.000000 UTC | 2023-12-10 16:35:30.000000 UTC | electric\_bike | Wacker Dr & Washington St | Unknown | member |
| A21D6507DA3C5AD4 | 2023-11-05 16:41:54.000000 UTC | 2023-10-25 07:31:46.000000 UTC | classic\_bike | Pine Grove Ave & Irving Park Rd | Unknown | member |
| 6F63FD8C2CC7528E | 2024-04-26 20:15:04.000000 UTC | 2024-04-26 20:14:51.000000 UTC | electric\_bike | DuSable Lake Shore Dr & Belmont Ave | Unknown | casual |
| FBDEF92A65F125D9 | 2023-11-05 01:58:37.000000 UTC | 2023-11-05 01:05:42.000000 UTC | classic\_bike | LaSalle Dr & Huron St | Clark St & Elm St | casual |
| 05673545F40646D6 | 2023-11-05 01:55:40.000000 UTC | 2023-11-05 01:09:56.000000 UTC | classic\_bike | New St & Illinois St | Wabash Ave & 9th St | member |
| A9CD9CDCDA36C70D | 2023-11-29 08:33:19.000000 UTC | 2023-11-29 08:28:24.000000 UTC | electric\_bike | Unknown | Canal St & Madison St | casual |
| EFB7F49DC1AE9DF8 | 2024-03-26 16:25:41.000000 UTC | 2024-03-26 16:23:28.000000 UTC | electric\_bike | Unknown | Michigan Ave & Oak St | casual |
| 8C064B51CD2F055F | 2023-11-05 01:55:49.000000 UTC | 2023-11-05 01:09:42.000000 UTC | classic\_bike | Halsted St & Wrightwood Ave | Broadway & Sheridan Rd | member |
| 368C90D097E27F50 | 2023-11-05 01:54:53.000000 UTC | 2023-11-05 01:02:56.000000 UTC | classic\_bike | Larrabee St & Armitage Ave | Clark St & Drummond Pl | casual |
| CBC3A0665918F8B1 | 2024-03-06 15:58:40.000000 UTC | 2024-03-06 15:58:39.000000 UTC | electric\_bike | Unknown | N Green St & W Lake St | member |
| 6D8E3C6D0FABDA21 | 2024-04-17 19:22:28.000000 UTC | 2024-04-17 19:22:11.000000 UTC | electric\_bike | Unknown | Green St & Randolph St\* | member |
| 2AE638AB52A28DB9 | 2023-11-30 16:17:29.000000 UTC | 2023-11-30 16:14:31.000000 UTC | electric\_bike | Unknown | Peoria St & Jackson Blvd | member |
| D17C0701A2AC27A8 | 2023-11-05 01:53:49.000000 UTC | 2023-11-05 01:00:41.000000 UTC | classic\_bike | Halsted St & Wrightwood Ave | Sedgwick St & Webster Ave | member |
| 827E392A595EAD38 | 2024-04-23 06:35:19.000000 UTC | 2024-04-23 06:35:18.000000 UTC | electric\_bike | Green St & Washington Blvd | Green St & Washington Blvd | member |
| 48E5D7F4CF684B96 | 2024-04-24 13:16:10.000000 UTC | 2024-04-24 12:18:56.000000 UTC | electric\_bike | Unknown | Washtenaw Ave & Peterson Ave | member |
| 615871A09A52258F | 2023-11-05 01:52:27.000000 UTC | 2023-11-05 01:23:03.000000 UTC | classic\_bike | Damen Ave & Cortland St | Ravenswood Ave & Lawrence Ave | casual |

**Action:** Delete all the inconsistent data.

SQL Query:

| CREATE OR REPLACE TABLE `my-data-projects-444918.Cyclistic.trip-data-6-months-clean` AS  SELECT \*  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE started\_at <= ended\_at; |
| --- |

**Action:** check if the problem is solved

SQL Query:

| SELECT  COUNT(\*) AS date\_out\_of\_range  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE started\_at > ended\_at; |
| --- |

**Outcome:** date\_out\_of\_range = 0

1. **Eliminate any trip that is less than 1 minute**
   1. Date: 19-Dec-2024
   2. Goal: Clean any trip is less than 1 minute which is irrelevant to the analysis
   3. SQL Query:

| CREATE OR REPLACE TABLE `my-data-projects-444918.Cyclistic.trip-data-6-months-clean` AS  SELECT \*  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`  WHERE TIMESTAMP\_DIFF(ended\_at, started\_at, SECOND) >= 60; |
| --- |

**Outcome:** table update

Action: check if all is correct

* 1. SQL Query:

| SELECT  COUNT(\*) AS total\_records,  MIN(TIMESTAMP\_DIFF(ended\_at, started\_at, SECOND)) AS min\_duration  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`; |
| --- |

**Outcome:**

| **total\_records** | **min\_duration** |
| --- | --- |
| 1634073 | 60 |

1. **Eliminate star\_station\_id and end\_station\_id**
   1. Date: 19-Dec-2024
   2. SQL Query:

| CREATE OR REPLACE TABLE `my-data-projects-444918.Cyclistic.trip-data-6-months-clean` AS  SELECT  ride\_id,  rideable\_type,  started\_at,  ended\_at,  start\_station\_name,  end\_station\_name,  member\_casual,  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean` |
| --- |

**Outcome:** table updated

1. **Eliminate “Uknown” values**
   1. Date: 19-Dec-2024
   2. SQL Query:

| SELECT  COUNT(\*) AS total\_registros,  COUNTIF(start\_station\_name = 'unknown' OR end\_station\_name = 'unknown') AS registros\_con\_unknown  FROM `tu\_proyecto.tu\_dataset.all\_rides\_last\_6\_months\_cleaned\_filtered`; |
| --- |

**Outcome:** table updated

| SELECT  COUNT(\*) AS total\_records,  COUNTIF(start\_station\_name = 'unknown' OR end\_station\_name = 'unknown') AS unknown\_records  FROM `my-data-projects-444918.Cyclistic.trip-data-6-months-clean`; |
| --- |

**Outcome:** no “unknown” values found