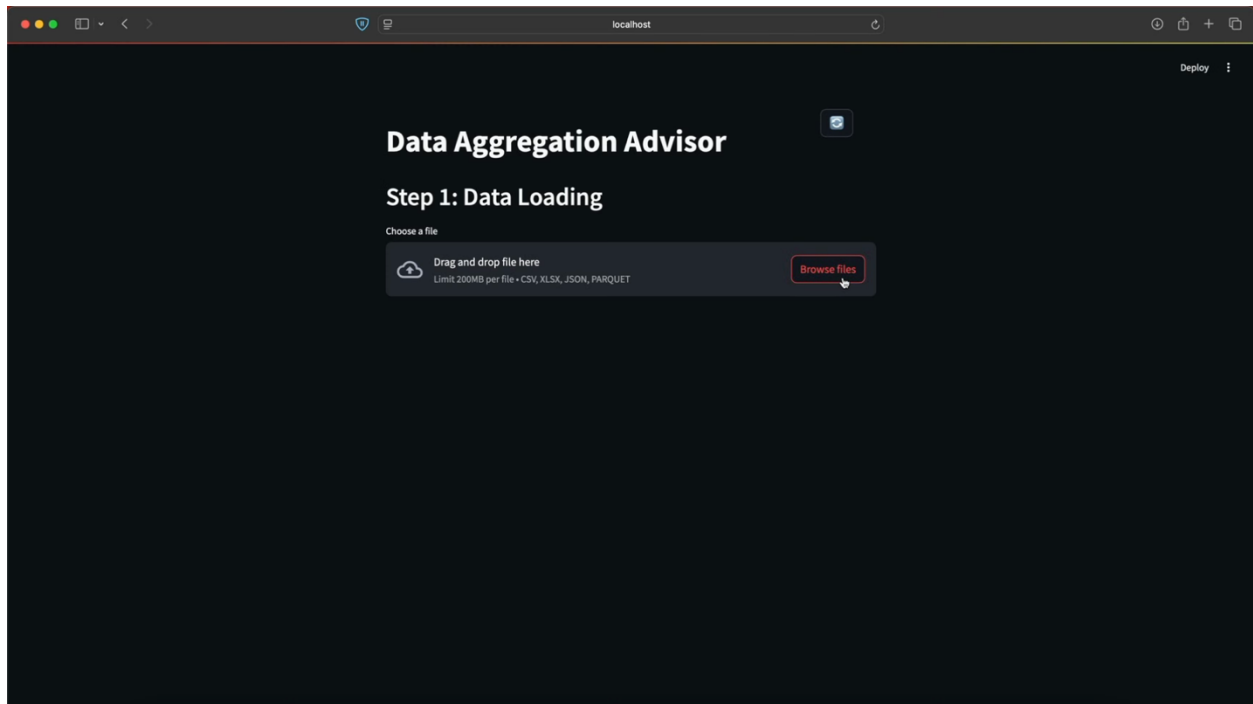


Aggregation Agent Tutorial

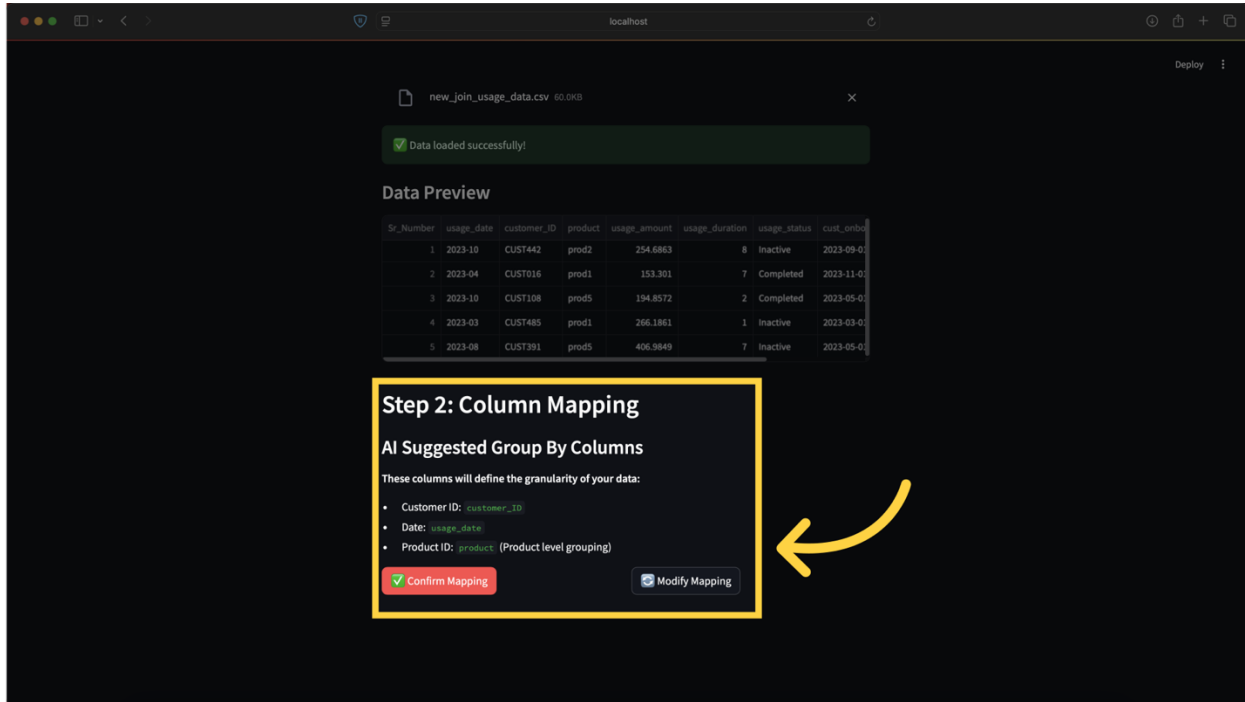
1. Introduction

The purpose of the Aggregation agent is to take your business data and condense it into time-series form without having to use code, allowing it to be used in all sorts of time-series modeling applications. Begin by uploading your data to the agent.



2. GroupBy Column Confirmation

The Aggregation agent starts off by providing you with a list of groupby columns (in order) by which it will aggregate your data. These are derived from internal semantics gathered from your uploaded data. If you are happy with the suggested fields, you can confirm to move onto the next step. Otherwise, hit the modify mapping button to manually edit the groupby fields.



The screenshot shows a web application interface with a dark theme. At the top, a file named 'new_join_usage_data.csv' (60.0KB) is displayed. Below it, a green status bar indicates 'Data loaded successfully!'. A 'Data Preview' section shows a table with 8 columns: Sr_Number, usage_date, customer_id, product, usage_amount, usage_duration, usage_status, and cust_onbo. The table contains 5 rows of data. Below the preview, a yellow-bordered box highlights 'Step 2: Column Mapping'. This section is titled 'AI Suggested Group By Columns' and states 'These columns will define the granularity of your data:'. It lists three suggested columns: 'Customer ID: customer_id', 'Date: usage_date', and 'Product ID: product (Product level grouping)'. At the bottom of this box are two buttons: 'Confirm Mapping' (with a green checkmark icon) and 'Modify Mapping' (with a pencil icon). A yellow arrow points from the right towards the 'Confirm Mapping' button.

new_join_usage_data.csv 60.0KB

✓ Data loaded successfully!

Data Preview

Sr_Number	usage_date	customer_id	product	usage_amount	usage_duration	usage_status	cust_onbo
1	2023-10	CUST442	prod2	254.6863	8	Inactive	2023-09-0
2	2023-04	CUST016	prod1	153.301	7	Completed	2023-11-0
3	2023-10	CUST108	prod5	194.8572	2	Completed	2023-05-0
4	2023-03	CUST485	prod1	266.1861	1	Inactive	2023-03-0
5	2023-08	CUST391	prod5	406.9849	7	Inactive	2023-05-0

Step 2: Column Mapping

AI Suggested Group By Columns

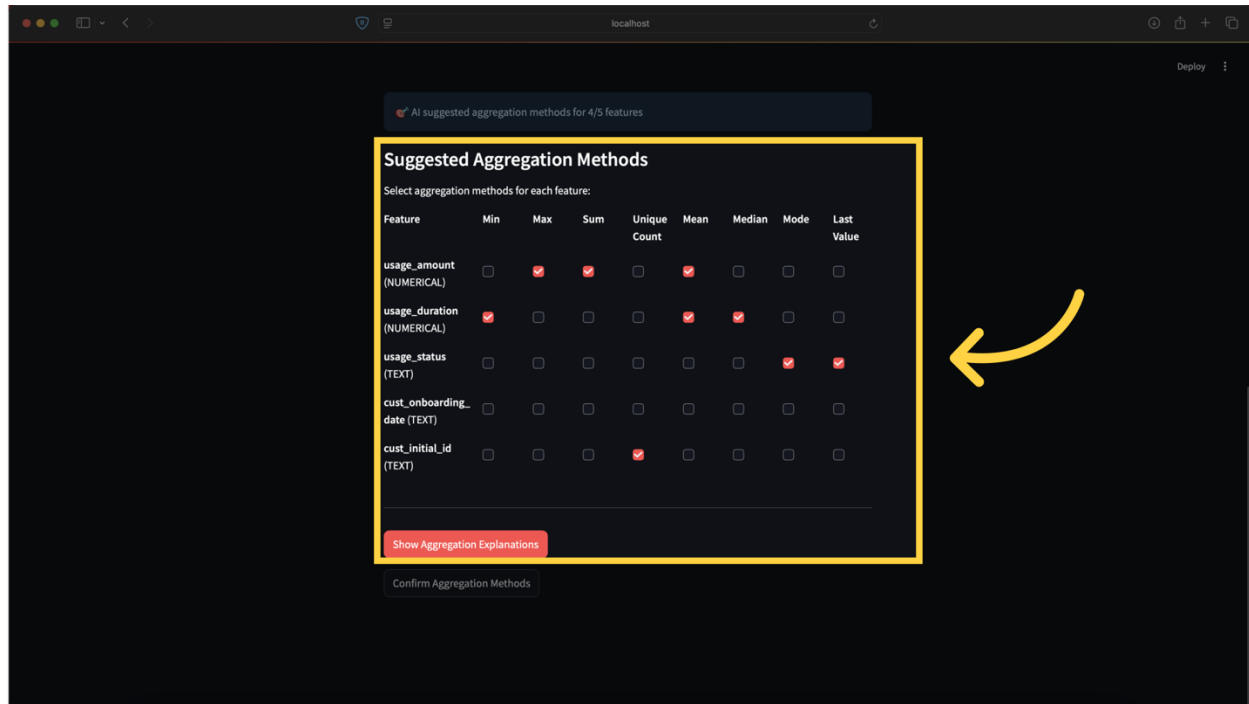
These columns will define the granularity of your data:

- Customer ID: `customer_id`
- Date: `usage_date`
- Product ID: `product` (Product level grouping)

✓ Confirm Mapping ✎ Modify Mapping

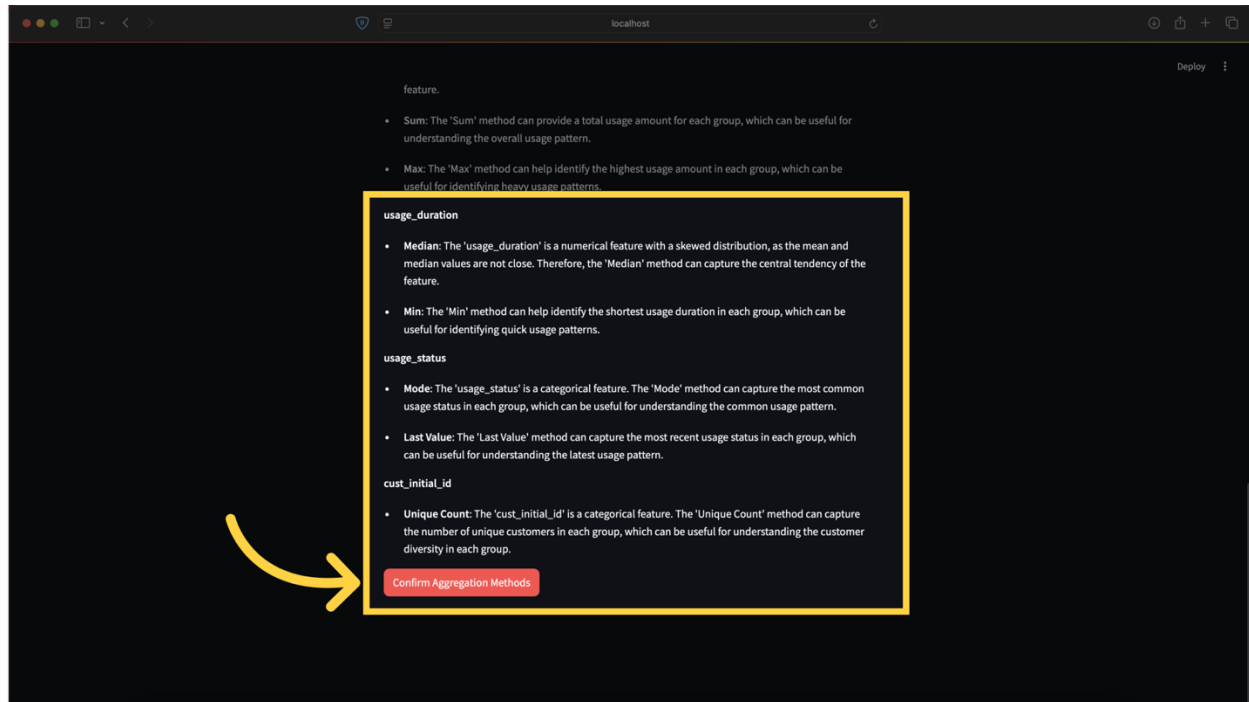
3. Column Aggregations

The Aggregation agent will provide you with a set of recommended methods to aggregate your data. You can manually tune them by clicking on their respective text boxes. If you want to see why the agent chose what it did, click on the Show Aggregation Explanations button.



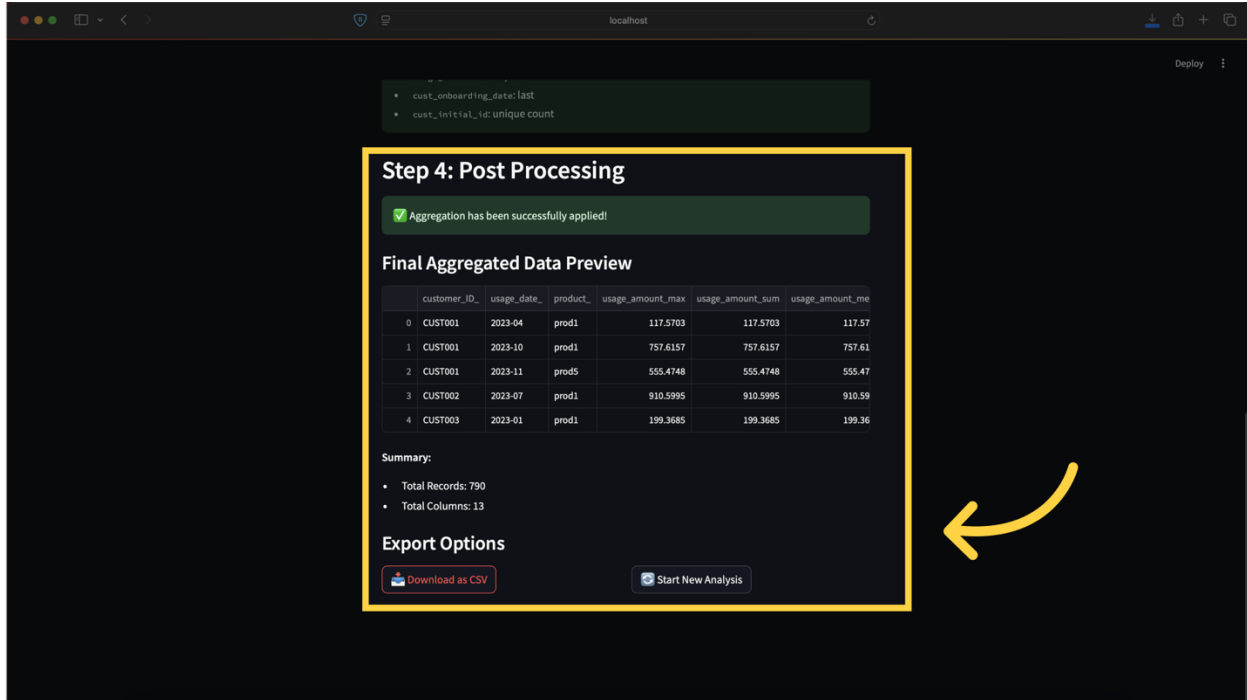
4. Aggregation Validations

The Aggregation agent will show, column by column, the aggregations it selected and why. If you are satisfied with the reasons, confirm them, and the agent will perform them. Otherwise, you can go back and manually edit them via the checkboxes.



5. Final

After seeing the preview, download your data.



Step 4: Post Processing

✓ Aggregation has been successfully applied!

Final Aggregated Data Preview

	customer_id_	usage_date_	product_	usage_amount_max	usage_amount_sum	usage_amount_me
0	CUST001	2023-04	prod1	117.5703	117.5703	117.57
1	CUST001	2023-10	prod1	757.6157	757.6157	757.61
2	CUST001	2023-11	prod5	555.4748	555.4748	555.47
3	CUST002	2023-07	prod1	910.5995	910.5995	910.59
4	CUST003	2023-01	prod1	199.3685	199.3685	199.36

Summary:

- Total Records: 790
- Total Columns: 13

Export Options

[Download as CSV](#) [Start New Analysis](#)