# **APACHE PIG**

## **Amazon Daily Review Count**

data1 = load '/user/hadoop/AmazonReviews.tsv' using PigStorage('\t') AS (marketplace,
customer\_id, review\_id, product\_id, product\_parent, product\_title, product\_category,
star\_rating, helpful\_votes, total\_votes, vine, verified\_purchase, review\_headline, review\_body,
review\_date);

data = STREAM data1 THROUGH `tail -n +2` AS (marketplace, customer\_id, review\_id, product\_id, product\_parent, product\_title, product\_category, star\_rating, helpful\_votes, total\_votes, vine, verified\_purchase, review\_headline, review\_body, review\_date);

daily = GROUP data by review\_date;

daily\_reviews = FOREACH daily GENERATE group as review\_date, COUNT(data.review\_id) as count;

order by data = ORDER daily reviews BY count DESC;

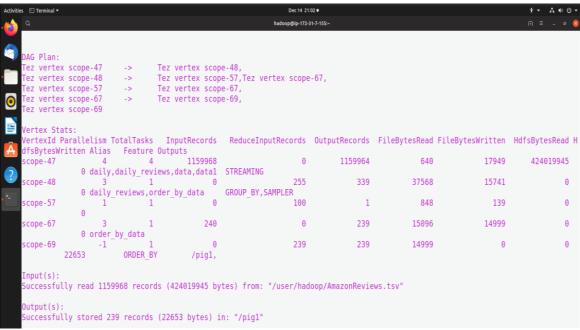
store order by data INTO '/pig1';

```
grunt> datal = load '/user/hadoop/AmazonReviews.tsv' using PigStorage('\t') AS (marketplace, customer_id, review_id, product_id, product_parent, product_title, product_category, star_rating, helpful_votes, total_votes, vine, verified_purchase, review_headline, review body, review date);
grunt> data = STREAM datal THROUGH 'tail -n +2' AS (marketplace, customer_id, review_id, product_id, product_parent, product_title, product_category, star_rating, helpful_votes, total_votes, vine, verified_purchase, review_headline, review_body, review_date);
grunt> daily = GROUP data by review date;
grunt> daily reviews = FOREACH daily GENERATE group as review_date, COUNT(data.review_id) as count;
grunt> order_by_data = ORDER daily_reviews_BY count_DESC;
grunt> store_order_by_data_INTO '/pig1';

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```

#### **OUTPUT:**





### **Amazon Total review count per product**

data1 = load '/user/hadoop/AmazonReviews.tsv' using PigStorage('\t') AS (marketplace,
customer\_id, review\_id, product\_id, product\_parent, product\_title, product\_category,
star\_rating, helpful\_votes, total\_votes, vine, verified\_purchase, review\_headline, review\_body,
review\_date);

data = STREAM data1 THROUGH `tail -n +2` AS (marketplace, customer\_id, review\_id, product\_id, product\_parent, product\_title, product\_category, star\_rating, helpful\_votes, total\_votes, vine, verified\_purchase, review\_headline, review\_body, review\_date);

prod = GROUP data by star rating;

prod\_count = FOREACH prod GENERATE group as star\_rating, COUNT(data.product\_id) as count;

store prod\_count INTO '/pig2';

```
Activities © Terminal*

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Q grunt> data1 = load '/user/Hadoop/AmazonReviews.tsv' using PigStorage('\t') AS (marketplace, customer id, review_id, product id, product_parent, product_title, product_category, star_rating, helpful_votes, total_votes, vine, verified_purchase, review_headline, review_body, review_date);

grunt> data = STREAM data1 THROUGH 'tail -n +2' AS (marketplace, customer id, review_id, product_id, product_parent, product_title, product_category, star_rating, helpful_votes, total_votes, vine, verified_purchase, review_headline, review_body, review_date);

grunt> prod count = FOREACH prod GENERATE group as star_rating, COUNT(data.product_id) as count;

grunt> store prod_count_INTO '/pig2';

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}
```

### **OUTPUT:**

