Using Reduce Queries to Gather Statistics

Paul D. Sheriff
BUSINESS SOLUTIONS ARCHITECT, FAIRWAY TECHNOLOGIES, INC.

www.fairwaytech.com psheriff@fairwaytech.com

Module Goals

Gather statistics

- Count documents
- Sum invoice totals
- Get minimum invoice totals
- Get maximum invoice totals
- Calculate average price

Use PouchDB reduce functions

- Count, sum, stats

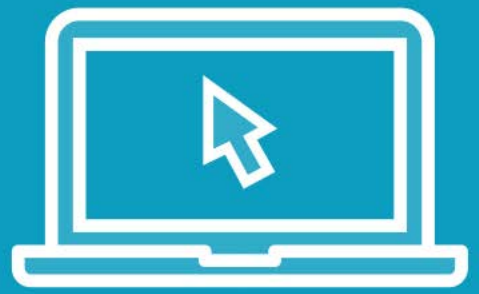
Reduce Functions

Use query() API

Set the reduce property to built-in function

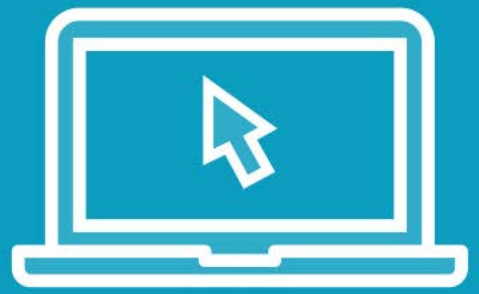
```
query({function(), reduce: '_count'})
query({function(), reduce: '_sum'})
query({function(), reduce: '_stats'})
```

Demo



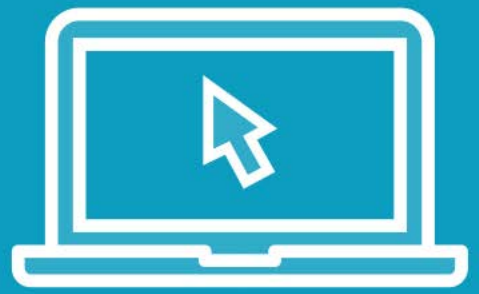
Count documents

Demo



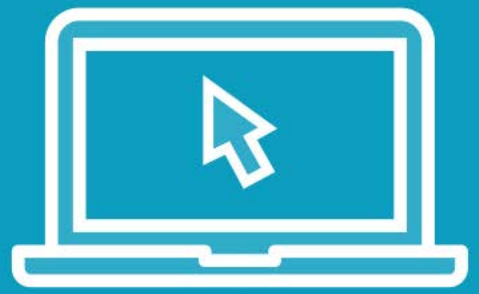
Calculate a sum

Demo



Calculate minimum and maximum

Demo



Calculate average price

Filter and calculate average price

Summary

Reduce queries are great for statistics

Use the built-in reduce functions

Add additional code for other statistics

Course Summary

Overview of PouchDB

Worked with database of documents

Worked with multiple documents at once

Learned to query documents

- allDocs()
- find()
- query()

Learned to gather statistics

Be sure to visit http://pouchdb.com to learn more

I hope you enjoyed this course!

Paul D. Sheriff

Business Solutions Architect, Fairway Technologies, Inc.

www.fairwaytech.com **psheriff@fairwaytech.com**