

Average Sale Per Day

```
[
  {
    $project: {
      _id: 0,
      day: {
        $dateToString: {
          format: "%Y-%m-%d",
          date: "$SaleTimestamp"
        }
      },
      Quantity: 1
    }
  },
  {
    $group: {
      _id: "$day",
      totalSalesByDay: {
        $sum: "$Quantity"
      }
    }
  },
  {
    $group: {
      _id: null,
      uniqueDays: {
        $sum: 1
      },
      totalSales: {
        $sum: "$totalSalesByDay"
      }
    }
  },
  {
    $project: {
      uniqueDays: 1,
      totalSales: 1,
      averageSalesPerDay: {
        $round: [
          {
            $divide: [
              "$totalSales",
              "$uniqueDays"
            ]
          }
        ],
        0
      ]
    }
  }
]
```

```
    }  
  }  
]
```

Sale By Data

```
[  
  {  
    $group: {  
      _id: {  
        $dateToString: {  
          format: "%Y-%m-%d",  
          date: "$SaleTimestamp"  
        }  
      },  
      totalSalesByDollar: {  
        $sum: "$Price"  
      },  
      numberOfSales: {  
        $sum: 1  
      }  
    },  
    {  
      $sort: {  
        _id: 1  
      }  
    }  
  }  
]
```

Top 5 Products

```
[  
  {  
    $group: {  
      _id: "$ProductName",  
      totalQuantitySold: {  
        $sum: "$Quantity"  
      }  
    },  
    {  
      $sort: {  
        totalQuantitySold: -1  
      }  
    },  
    {  
      $limit: 5  
    }  
  }  
]
```

Top Selling Products

```
[
  {
    $group: {
      _id: "$ProductName",
      TotalSold: {
        $sum: "$Quantity"
      }
    },
    {
      $sort: {
        TotalSold: -1
      }
    },
    {
      $limit: 5
    }
  }
]
```

Total Sales Per Category

```
[
  {
    $group: {
      _id: "$Category",
      TotalSold: {
        $sum: "$Quantity"
      },
      TotalRevenue: {
        $sum: {
          $multiply: ["$Quantity", "$Price"]
        }
      }
    }
  }
]
```