

## Forecast Report

```
{
  "features": {
    "seasonality": "None",
    "promotion": false,
    "laggedSales": 2940,
    "economicTrend": "Stable"
  },
  "metrics": {
    "rmse": 652,
    "mae": 652,
    "mape": 21.16883116883117
  },
  "alert": {
    "isActive": false,
    "message": ""
  },
  "_id": "682fbbb5a37f3cb212344f8f",
  "predictedSales": 3732,
  "confidenceLevel": 80,
  "forecastPeriod": "Monthly",
  "modelType": "RandomForest",
  "createdAt": "2025-05-23T00:05:09.286Z",
  "updatedAt": "2025-05-23T00:05:09.286Z",
  "__v": 0
}
```

```
{
  "features": {
    "seasonality": "None",
    "promotion": false,
    "laggedSales": 0,
    "economicTrend": "Stable"
  },
  "metrics": {
    "rmse": 0,
    "mae": 0,
    "mape": 0
  },
  "alert": {
    "isActive": false,
    "message": ""
  },
  "_id": "682fbc69a37f3cb212344f93",
  "predictedSales": 0,
  "confidenceLevel": 100,
}
```

```
"forecastPeriod": "Monthly",
"modelType": "RandomForest",
"createdAt": "2025-05-23T00:08:09.900Z",
"updatedAt": "2025-05-23T00:08:09.900Z",
"__v": 0
}
```

```
{
  "features": {
    "seasonality": "None",
    "promotion": false,
    "laggedSales": 2940,
    "economicTrend": "Stable"
  },
  "metrics": {
    "rmse": 652,
    "mae": 652,
    "mape": 21.16883116883117
  },
  "alert": {
    "isActive": false,
    "message": ""
  },
  "_id": "682fbc78a37f3cb212344f96",
  "predictedSales": 3732,
  "confidenceLevel": 80,
  "forecastPeriod": "Monthly",
  "modelType": "RandomForest",
  "createdAt": "2025-05-23T00:08:24.349Z",
  "updatedAt": "2025-05-23T00:08:24.349Z",
  "__v": 0
}
```

```
{
  "features": {
    "seasonality": "None",
    "promotion": false,
    "laggedSales": 2940,
    "economicTrend": "Stable"
  },
  "metrics": {
    "rmse": 546.4000000000001,
    "mae": 546.4000000000001,
    "mape": 17.74025974025974
  },
  "alert": {
```

```
    "isActive": false,  
    "message": ""  
  },  
  "_id": "682fbd11a37f3cb212344f99",  
  "predictedSales": 3626.4,  
  "confidenceLevel": 74.95999999999998,  
  "forecastPeriod": "Monthly",  
  "modelType": "RandomForest",  
  "createdAt": "2025-05-23T00:10:57.223Z",  
  "updatedAt": "2025-05-23T00:10:57.223Z",  
  "__v": 0  
}
```