Group #1

Miles Shinsato

Nardos Gebremedhin

Jessic Long-Heinicke

Joseph Ayo

Adrian Marquez

Milestone #3

CSD 310-A339

Bacchus Reports

Introduction

In the Bacchus Winery Case Study, Stan and Davis both outlined specific questions about the business that they needed answered to properly conduct their yearly 'snapshot' of the business. The questions were as follows, verbatim:

- Are all suppliers delivering on time? Is there a large gap between expected delivery and actual delivery? A month-by-month report should show problem areas.
- The wine distribution, are all wines selling as they thought? Is one wine not selling? Which distributor carries which wine?
- Employee time. During the last four quarters, how many hours did each employee work?

Reporting

To answer these questions properly, we have constructed reports that collect the data from our database and organize it in a way that lets us easily answer the concerns that the company owners had in mind. The three reports are as follows:

- Supplier Delivery Performance Report
- Wine Sales and Distribution Report
- Employee Time Tracking Report

Supplier Delivery Performance Report

```
Supplier Delivery Performance Report:
```

SupplierID	Scheduled Delivery	Actual Delivery	Delay (Days)
1	2024-11-24	2024-11-29	5
1	2024-11-24	2024-11-29	5
1	2024-10-31	2024-11-02	2
3	2024-10-30	2024-11-01	2
2	2024-12-05	2024-12-06	1
1	2024-10-13	2024-10-14	1
2	2024-12-05	2024-12-06	1
1	2024-12-01	2024-12-01	0
3	2024-12-01	2024-12-01	0
1	2024-12-01	2024-12-01	0
2	2024-10-12	2024-10-12	0
3	2024-10-03	2024-10-03	0
3	2024-12-01	2024-12-01	0
2	2024-11-30	2024-11-29	-1
2	2024-11-30	2024-11-29	-1
3	2024-12-09	2024-12-07	-2
3	2024-12-09	2024-12-07	-2

The first report is the Supplier Delivery Performance Report. It lists every delivery scheduled in the past quarter, along with the Supplier ID of the company responsible for shipment. Alongside these scheduled delivery dates are the actual dates that the product is received, with a separate column named Delay that compares the number of days between the expected and the actual delivery date. By comparing the delivery dates, we can see that only about a third of our shipments arrive when expected, and that the gap between expected and actual delivery can be up to 5 days long, an entire business week.

- Identify Reliable and Unreliable Suppliers: By identifying which suppliers are consistently late or early, it can help make decisions about whether to continue or renegotiate contracts with suppliers who have poor delivery reliability.
- Optimize Inventory Management: Timely deliveries are crucial for maintaining stock levels. This report can help avoid running out of stock or overstocking by highlighting suppliers that have delays.

Wine Sales and Distribution

```
Wine Sales and Distribution Report:

| Wine Name        | Distributor Name        | Total Sold |
| Barefoot         | Quail Distributing      | 10         |
| Decoy            | Pinnacle Imports        | 8          |
| Decoy            | Action Wine + Spirits   | 5          |
| Christian Moreau | DNS Wines               | 4          |
| Christian Moreau | Springboard Wine Company| 2          |
| Sutter Home      | J&L Wines               | 2          |
```

The second report is the Wine Sales and Distribution Report. This report focuses on highlighting how our wines have been performing and which distributor is responsible for shipping them out. By studying this table, we can see that Barefoot is our most popular brand, and that we rely on Quail Distributing for.

- Optimize Distribution Channels: By understanding which distributors are driving more sales, there can be a focus on marketing and distribution efforts on these channels or re-evaluate relationships with underperforming distributors.
- Inventory Planning and Sales Strategy: Identifying top-performing wines can help with inventory management by prioritizing stock for these popular wines.
- Strategic Marketing: This report helps identify the wines that need more attention or promotional e5orts to boost sales in specific regions or channels. The underperforming wines might be targeted for promotional campaigns or even removed from distribution.

Employee Time Tracking

```
Employee Time Tracking Report:
```

EmployeeID	Q1 Hours	Q2 Hours	Q3 Hours	Q4 Hours	Total Hours
1	160	160	160	160	640
2	160	160	160	160	640
5	160	160	160	160	640
3	120	120	120	120	480
4	120	120	120	120	480
6	120	120	120	120	480

Our last report is the Employee Time Tracking Report. This table is dedicated to highlighting our hours worked within the company. Here, each employee, listed by ID, has their hours displayed by the fiscal quarter. This gives us a comprehensive overview of who is giving us the most labor, and when, answering the third set of questions posed by Stan and Davis.

- Workforce Planning: By tracking total hours worked, department managers can assess workforce productivity, ensure sufficient staffing, and predict labor needs for the upcoming periods.
- Overtime and Labor Cost Management: The report helps identify employees who may be working more than expected, which could be an indicator of overtime costs. Adjusting schedules or hiring additional staff can help control labor expenses.
- Employee Performance: The report could also help track whether some employees are consistently working more or less than others. This data could influence decisions about promotions, bonuses, or training needs.