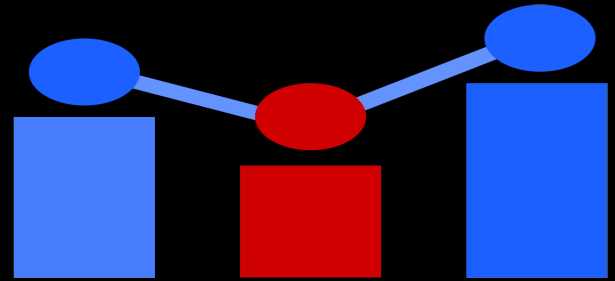


# *Generation*

**UNITED KINGDOM**

**DATA ANALYTICS PROGRAM  
INTERIM PROJECT**

**SUPERVISOR: Randell Maree**



**DA-NAT4 - Group 2**

Pearl Asare  
Elsheikh Ibrahim  
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Abdulrahman Rajjoub  
Alice Venables

# Introduction and Topics

Regional Sales in Best Performing Country

Relationship between sick leave vs Job Title

Relationship between Total Leave Hours vs Bonus

Store Trading Duration vs Revenue

Relationship between Country and Revenue

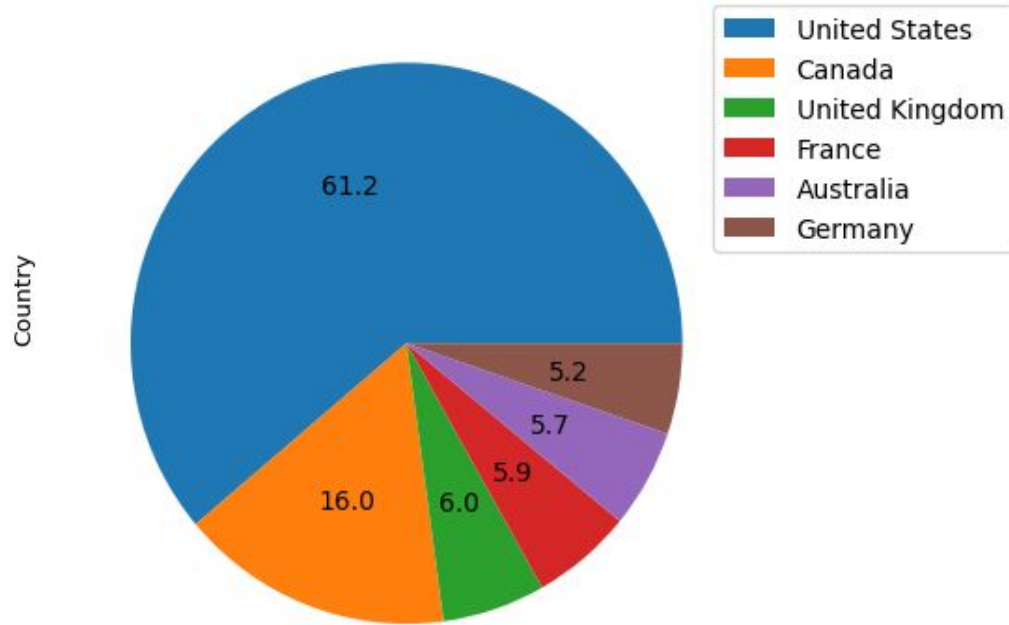
Relationship between Size of Stores, Employee Count and Revenue

# Relationship between Country and Revenue

Countries with stronger economic conditions tends to generate more revenue.

Countries contributing low revenue might reflect smaller markets.

Revenue by Country (Percentage)



\$68.9M



\$18.0M



\$6.8M



\$6.65M



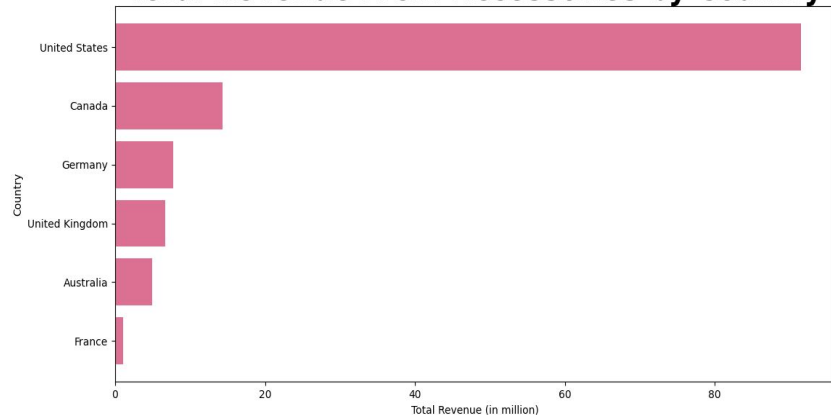
\$6.4M



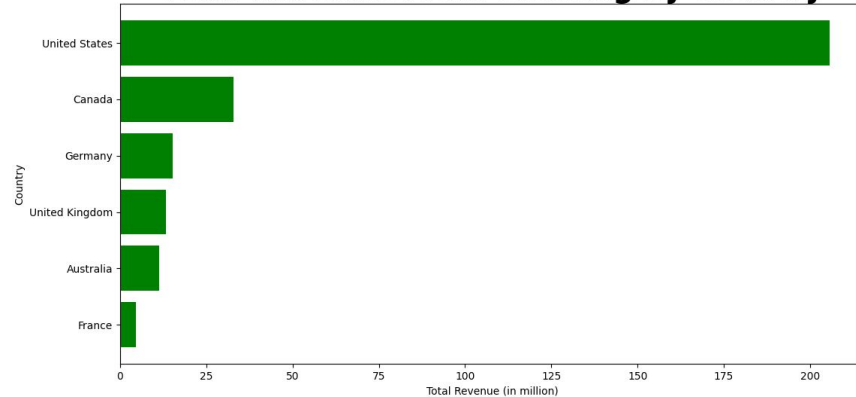
\$5.9M

# Relationship between Country and Revenue

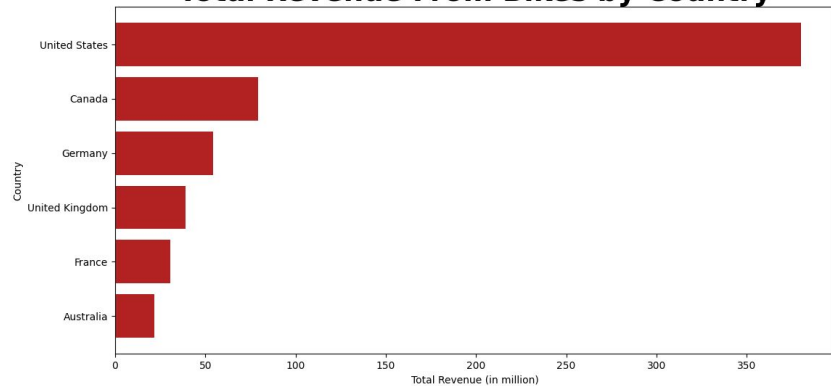
## Total Revenue From Accessories by Country



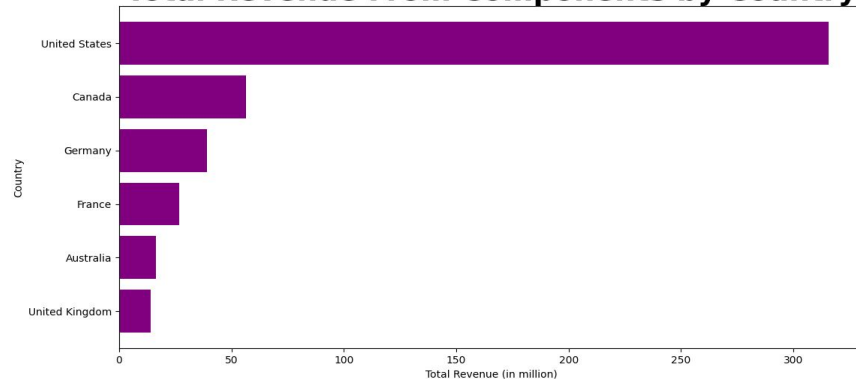
## Total Revenue From Clothing by Country



## Total Revenue From Bikes by Country

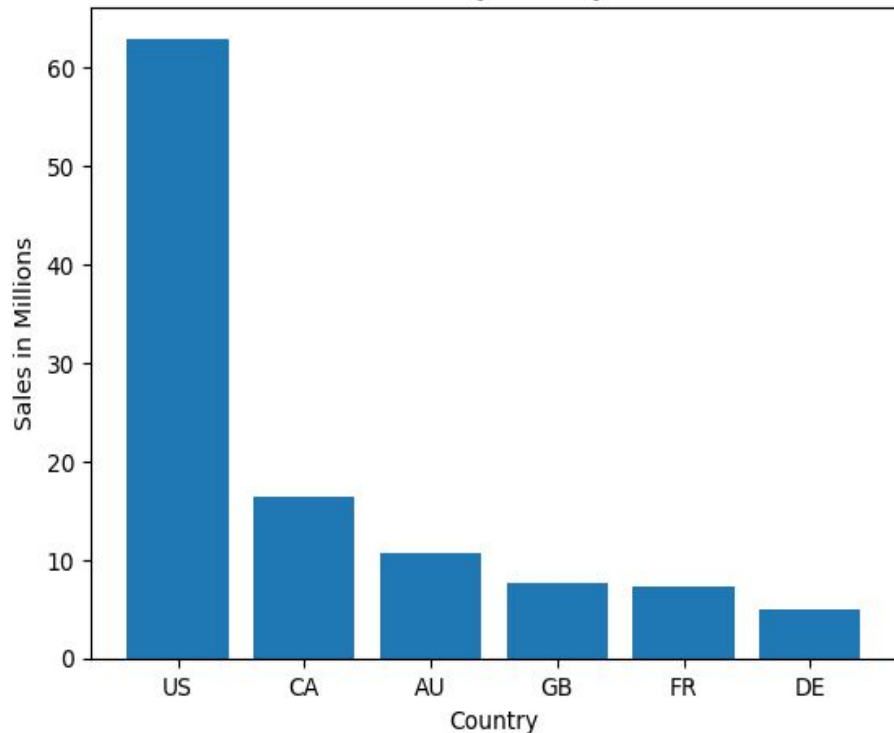


## Total Revenue From Components by Country

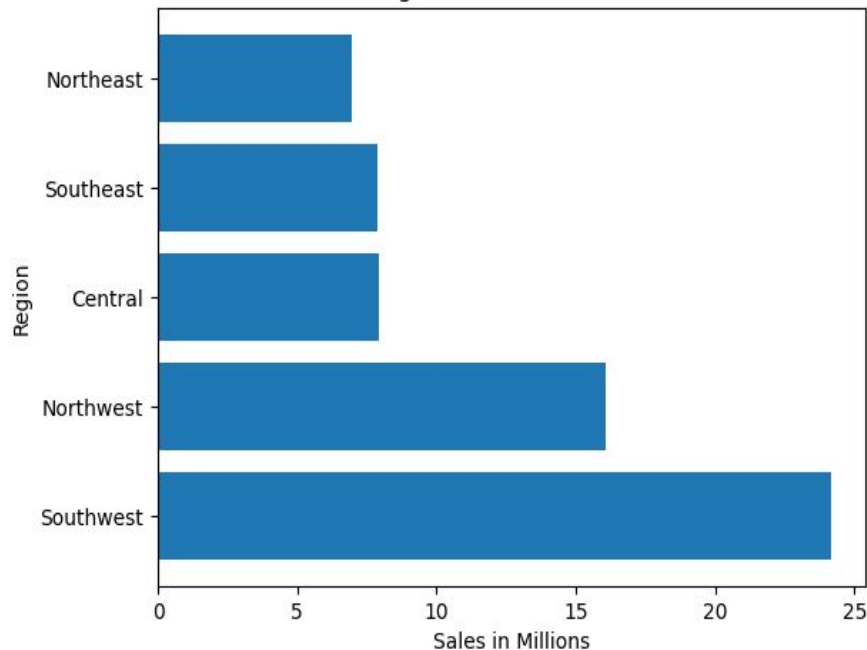


# Regional Sales in Best Performing Country

Sales by Country

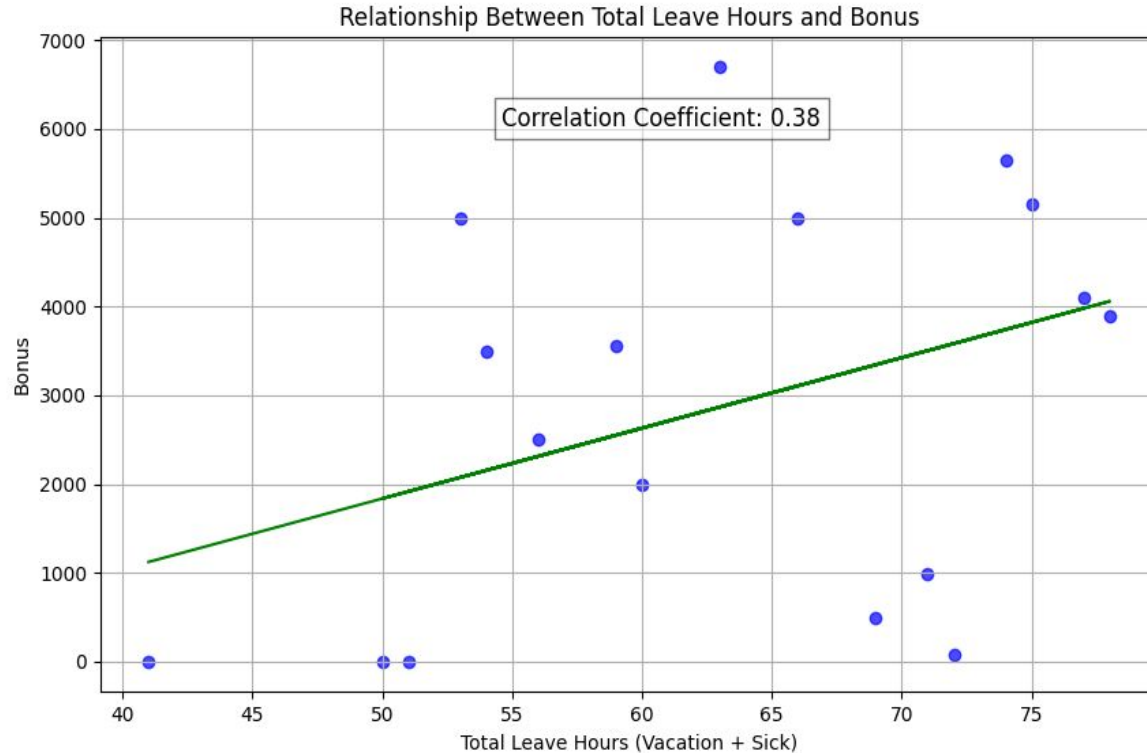


Regional Sales in the US



The **Southwest** is the leading region

# Relationship Between Total Leave Hours and Bonus

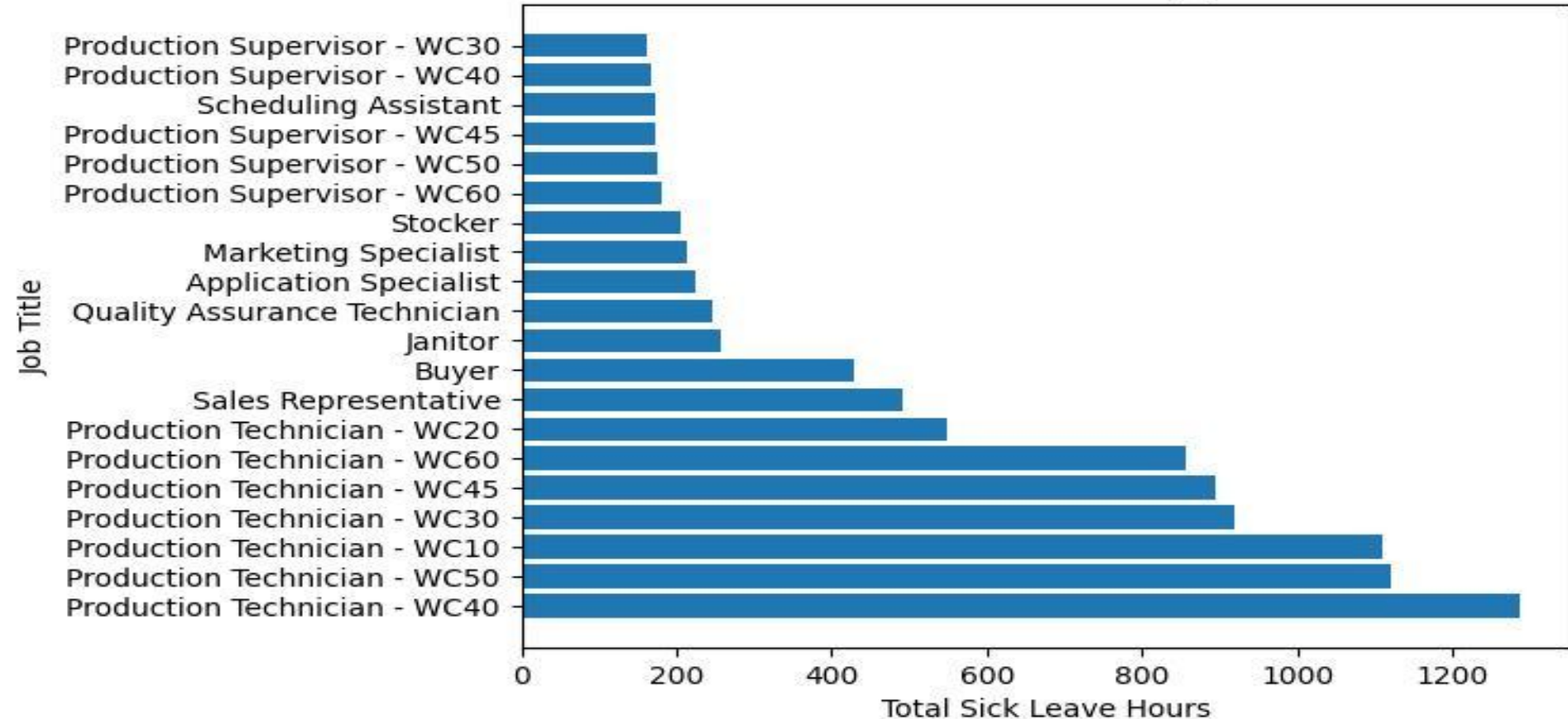


0.38 signifies a  
**weak to  
moderate**  
relationship

Could other  
factors be the  
cause of  
increase ?

# Relationship Between Sick Leave and Job Title?

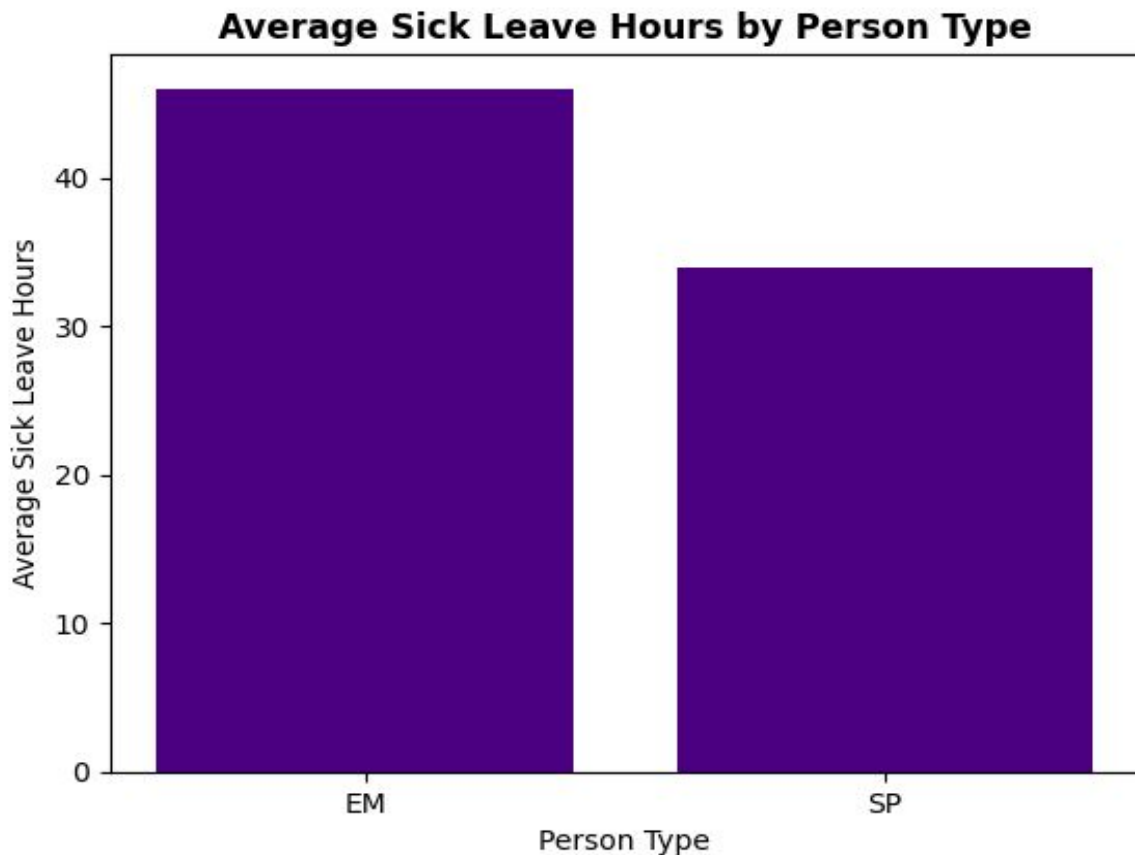
Total Sick Leave Hours by Job Title



# Relationship Between Sick Leave and PersonType?

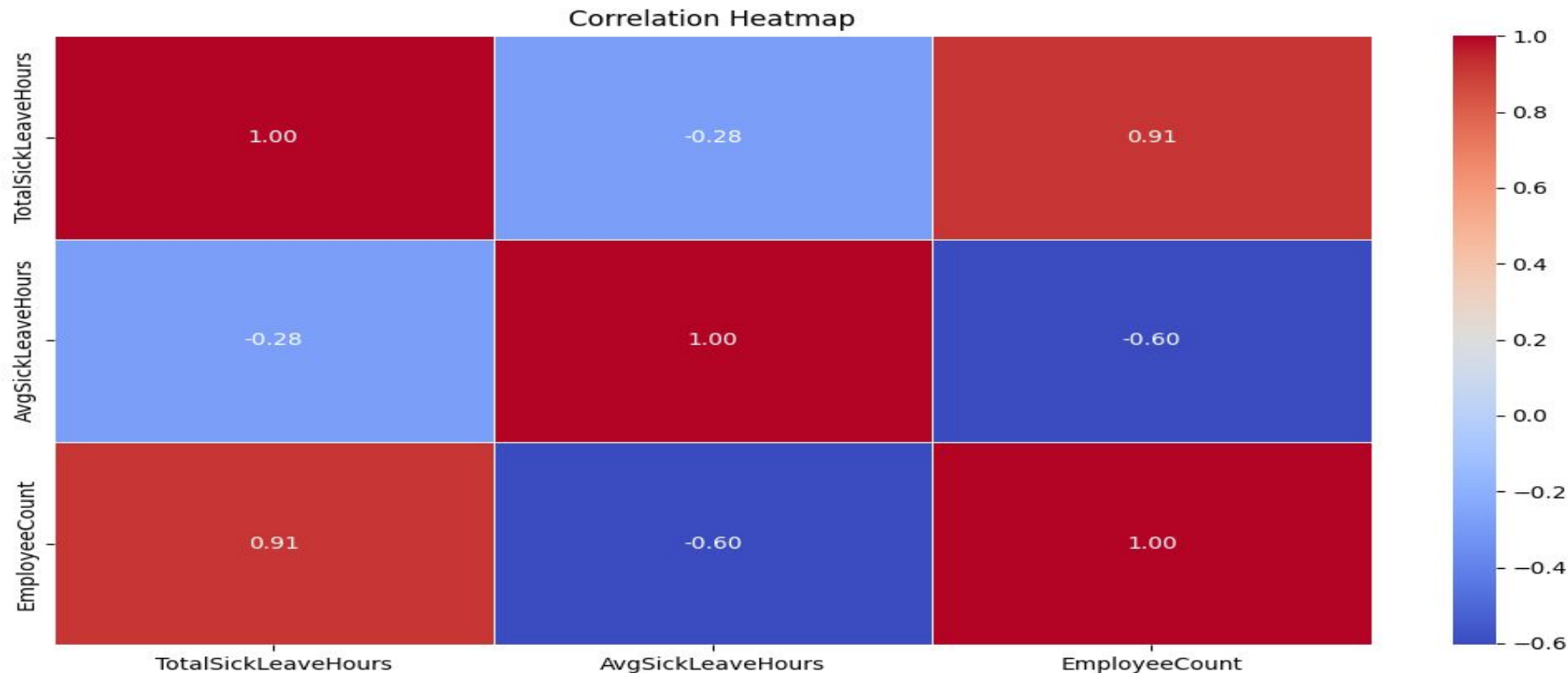
## Key Findings:

- Employees (EM) Tends to Have Higher Sick Leave Hours
- Sales Persons (SP) on other hand have less Sick Leave Hours



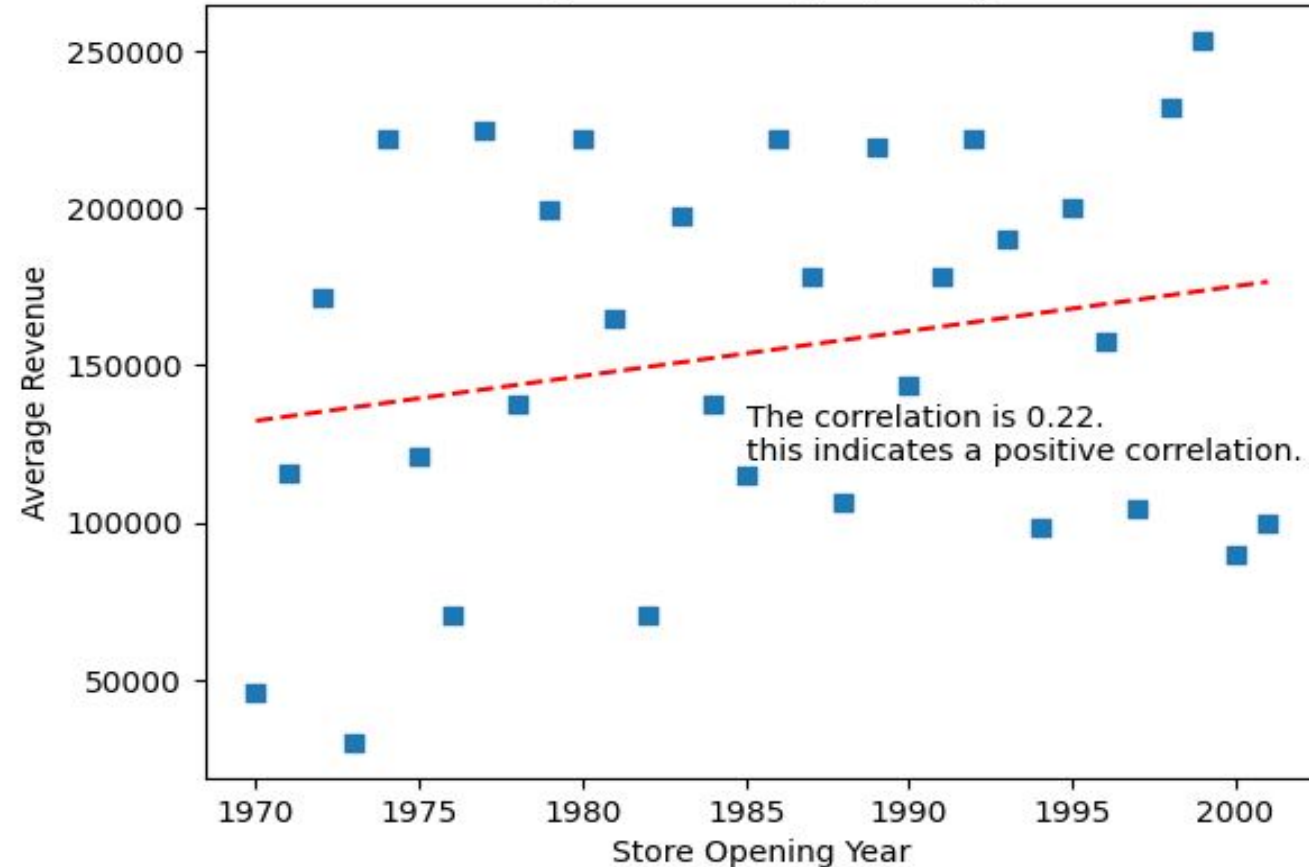


# The Correlation between Total Sick Leave Hours, Average Sick Leave Hours, and Employee Count?

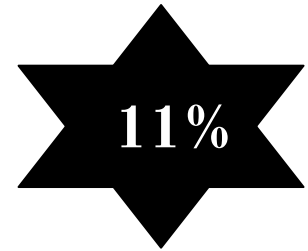


# Store Trading Duration vs Revenue

Average Revenue by Opening Year



Newer Stores  
Are More  
Profitable!

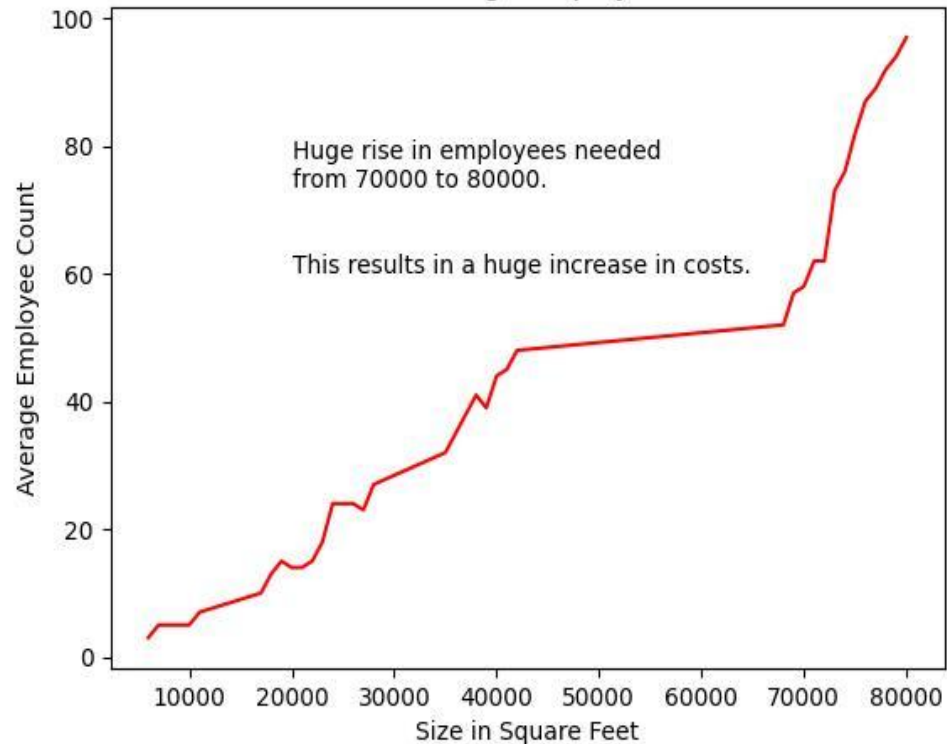


Why Are They?

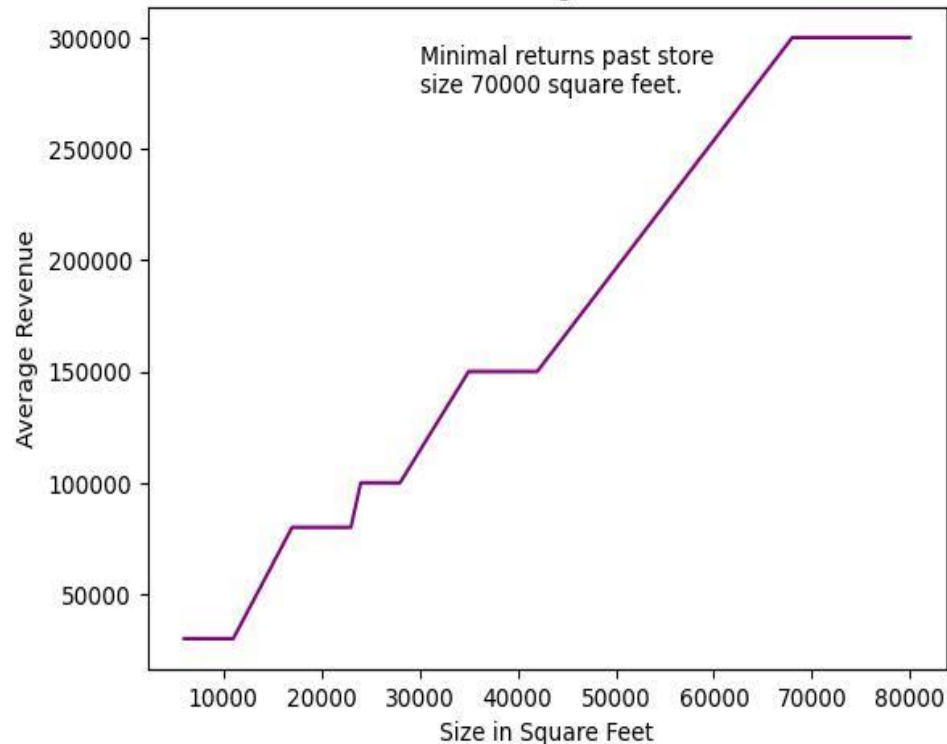
# Size, Revenue and Number of Employees

## Is Bigger Always Better?

Size vs Average Employee Count



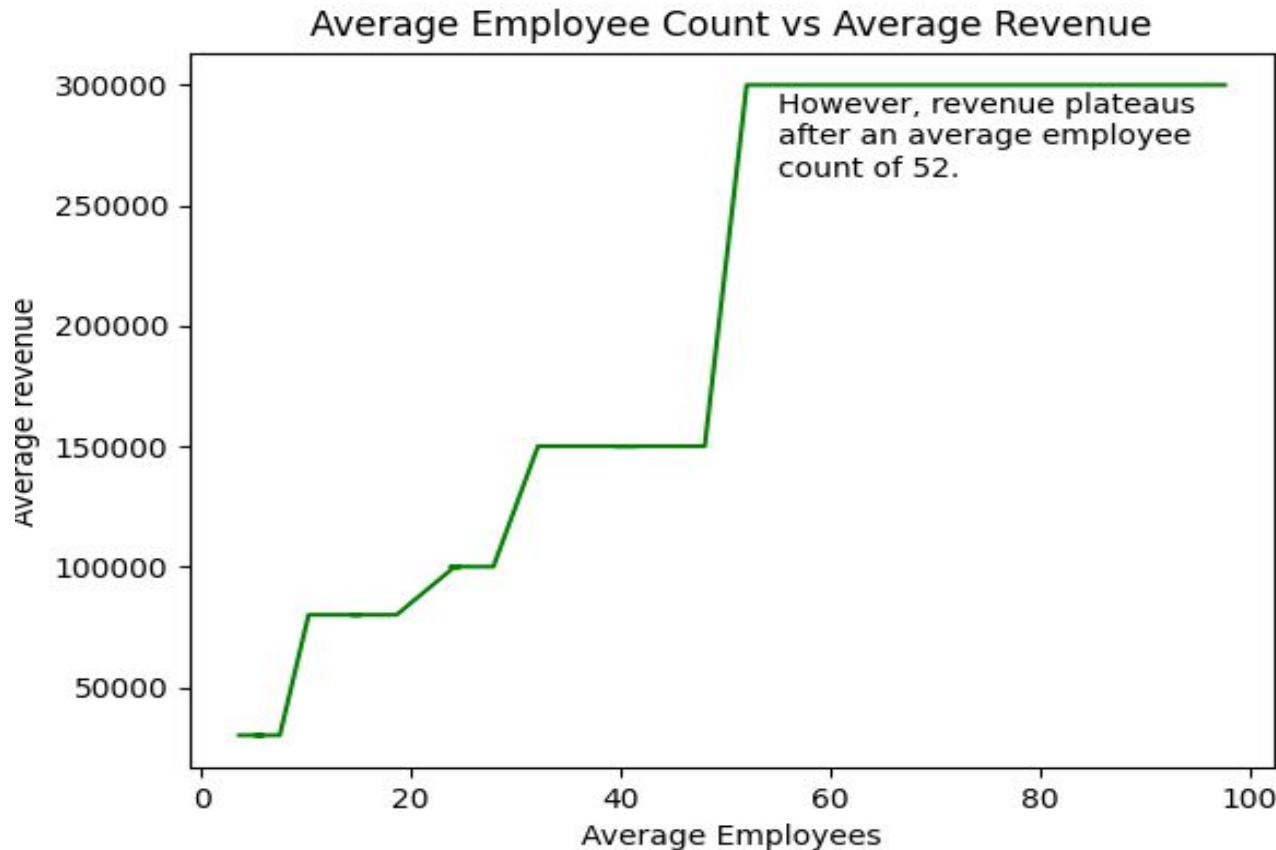
Size vs Average Revenue



# Average Employee Count vs. Average Revenue

Proper Staffing  
Means  
Proper Profits!

Too many  
staff is bad  
for business!



# Conclusion

US Best Seller  
But Not All Equal

More Leave  
More Bonuses

More Employees  
Means Less Sick Leave

New Stores  
More Profitable

Bigger Is  
Sometimes Better

Proper Staffing  
Proper Profits

# REFERENCES



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A teal-colored triangle is positioned in the top right corner of the slide, pointing towards the center.

# THANK YOU !!

"Why do programmers prefer dark mode?  
Because light attracts bugs!!"