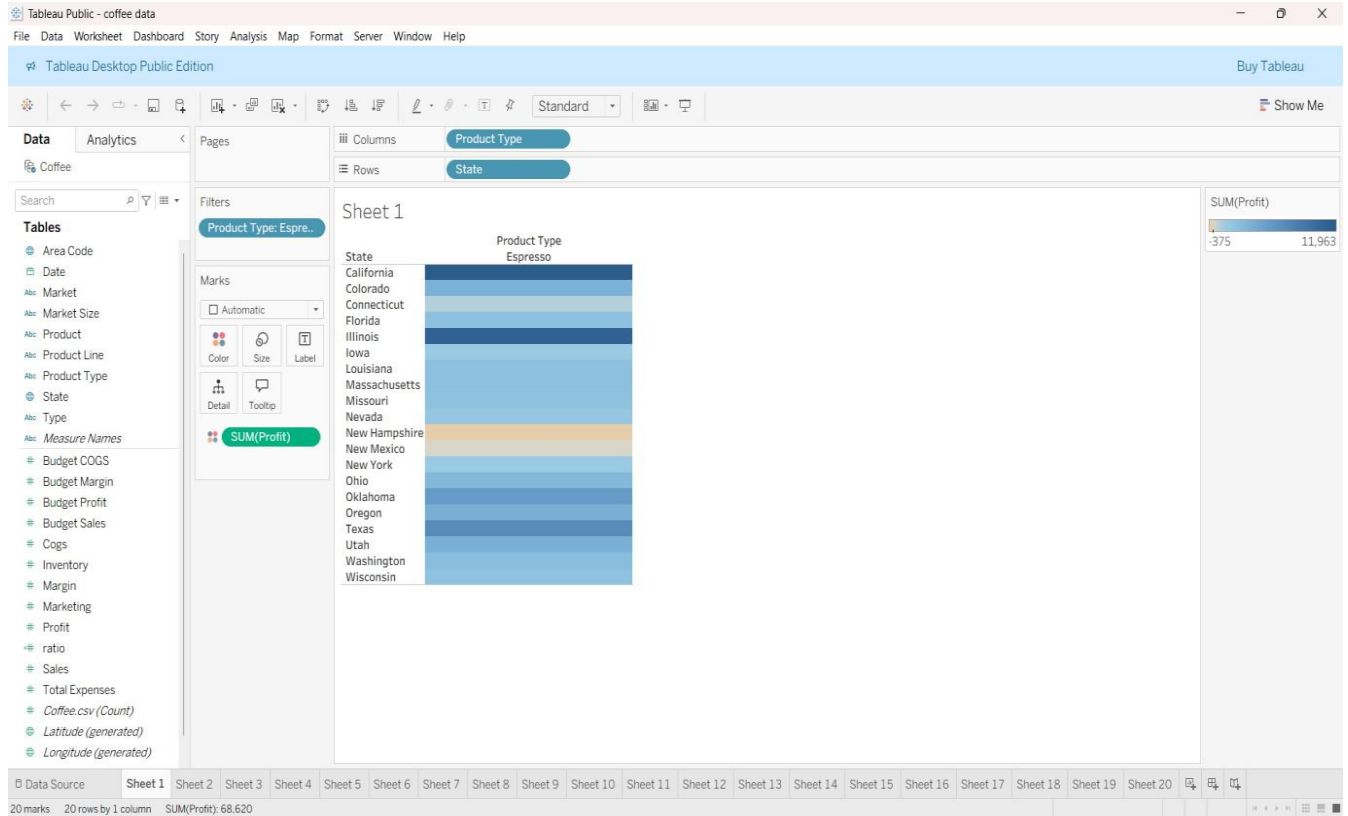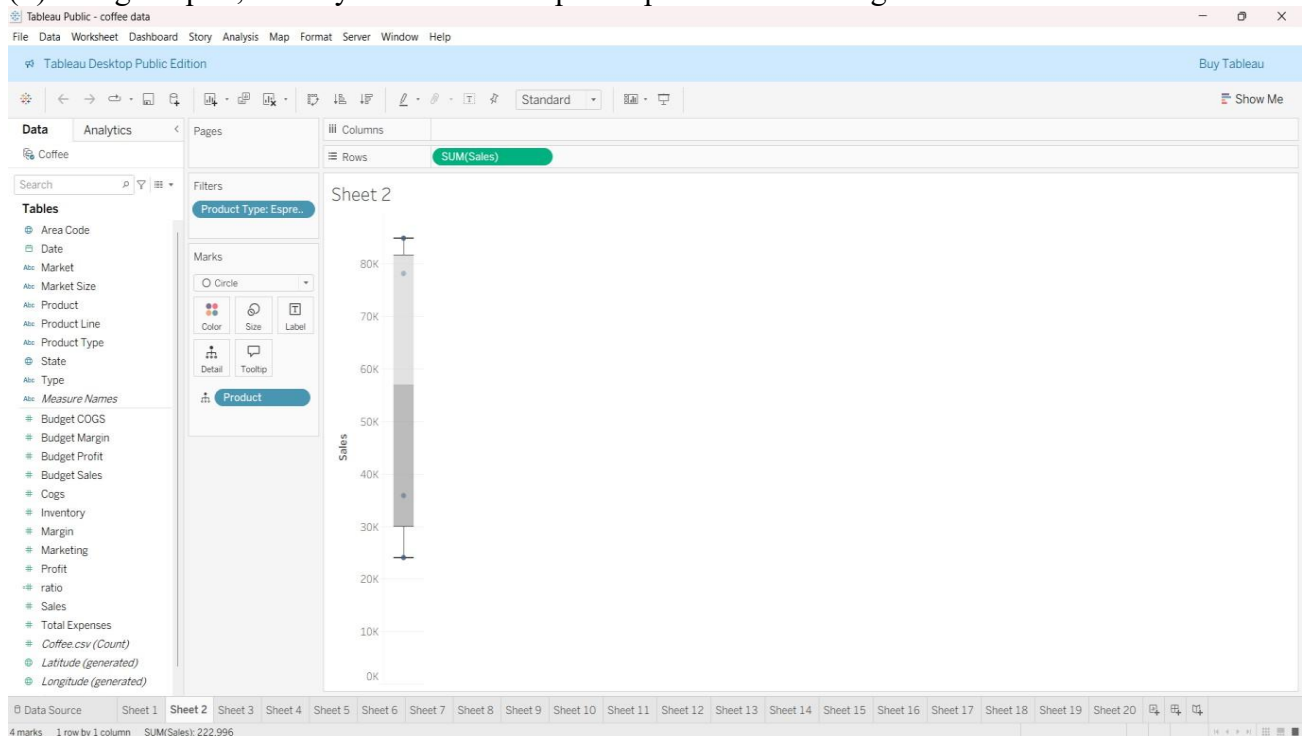# COFFEE CHAIN DATASET
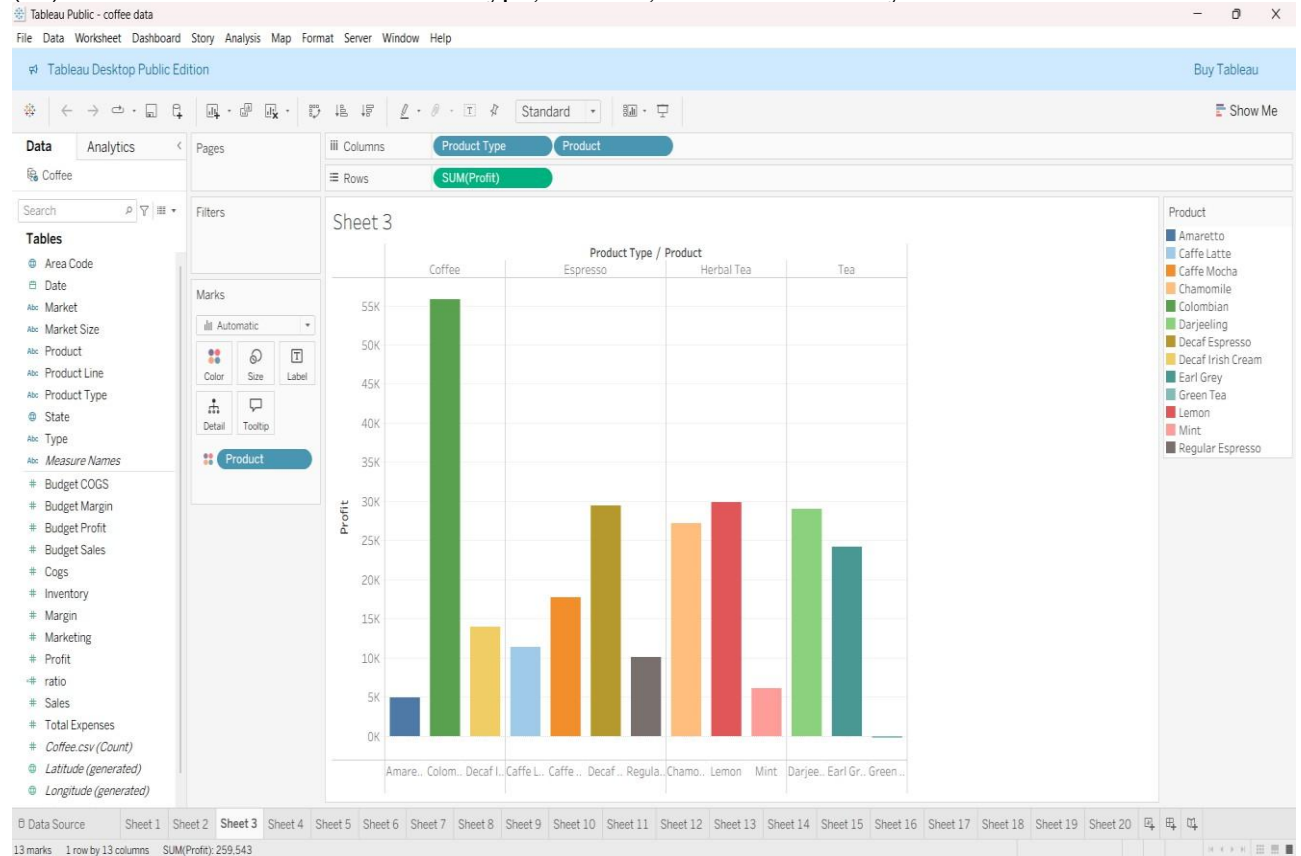## Submitted By : Rubin Raj S – ENG23AM0181

(i) Create a heat map for Product Type, State, and Profit. Identify which state has the lowest profit for Espresso?
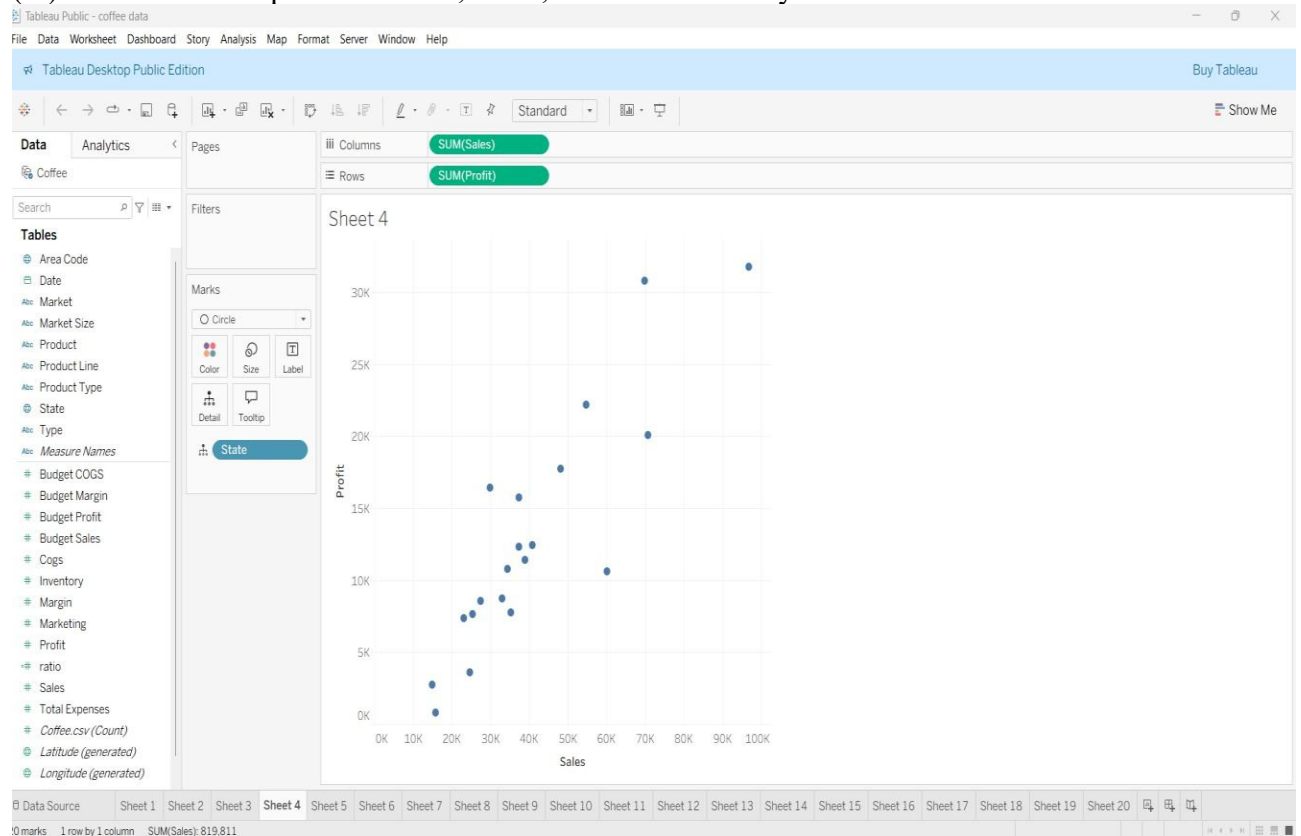

(ii) Using boxplot, identify which of the Espresso product has the highest distribution of sales?
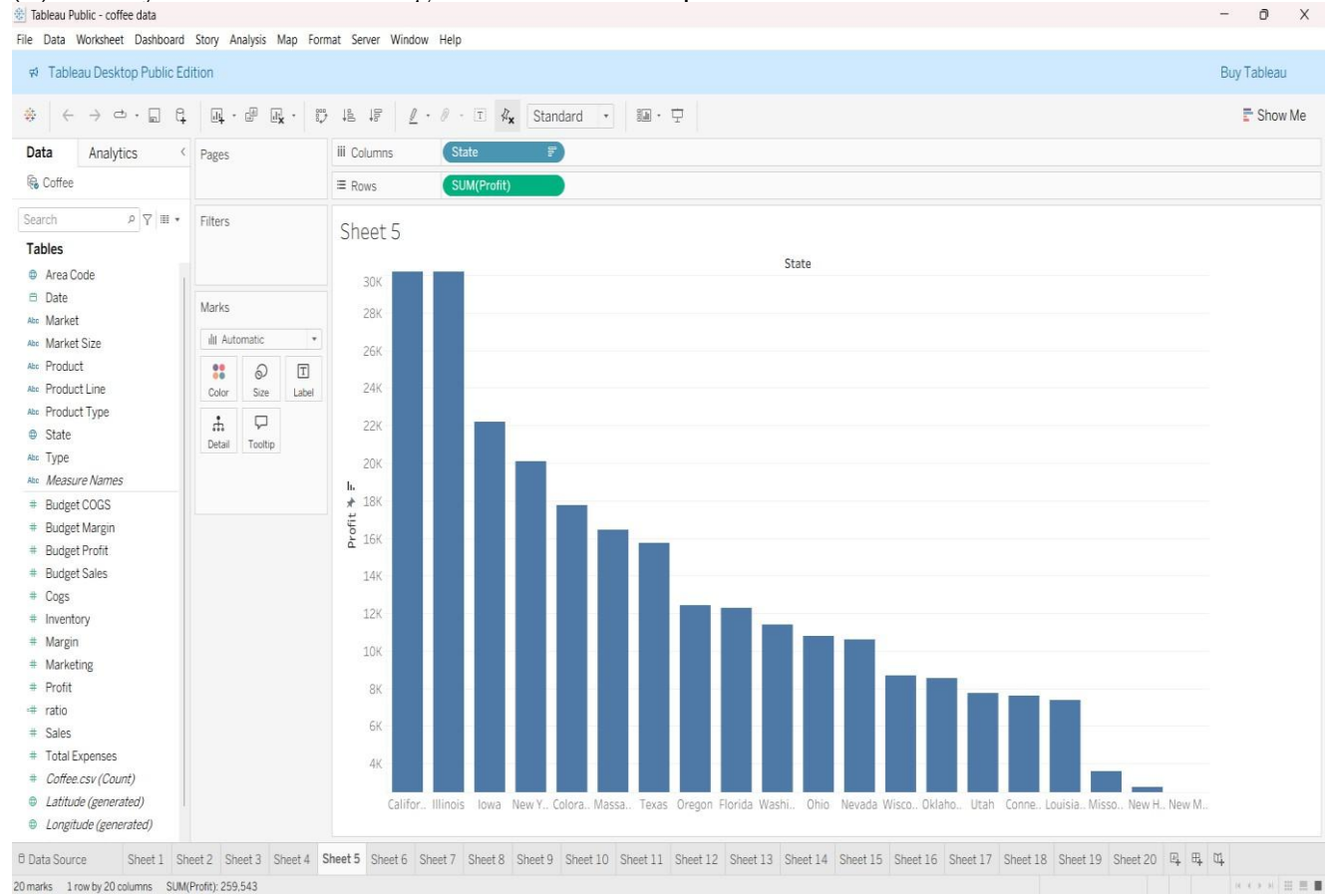
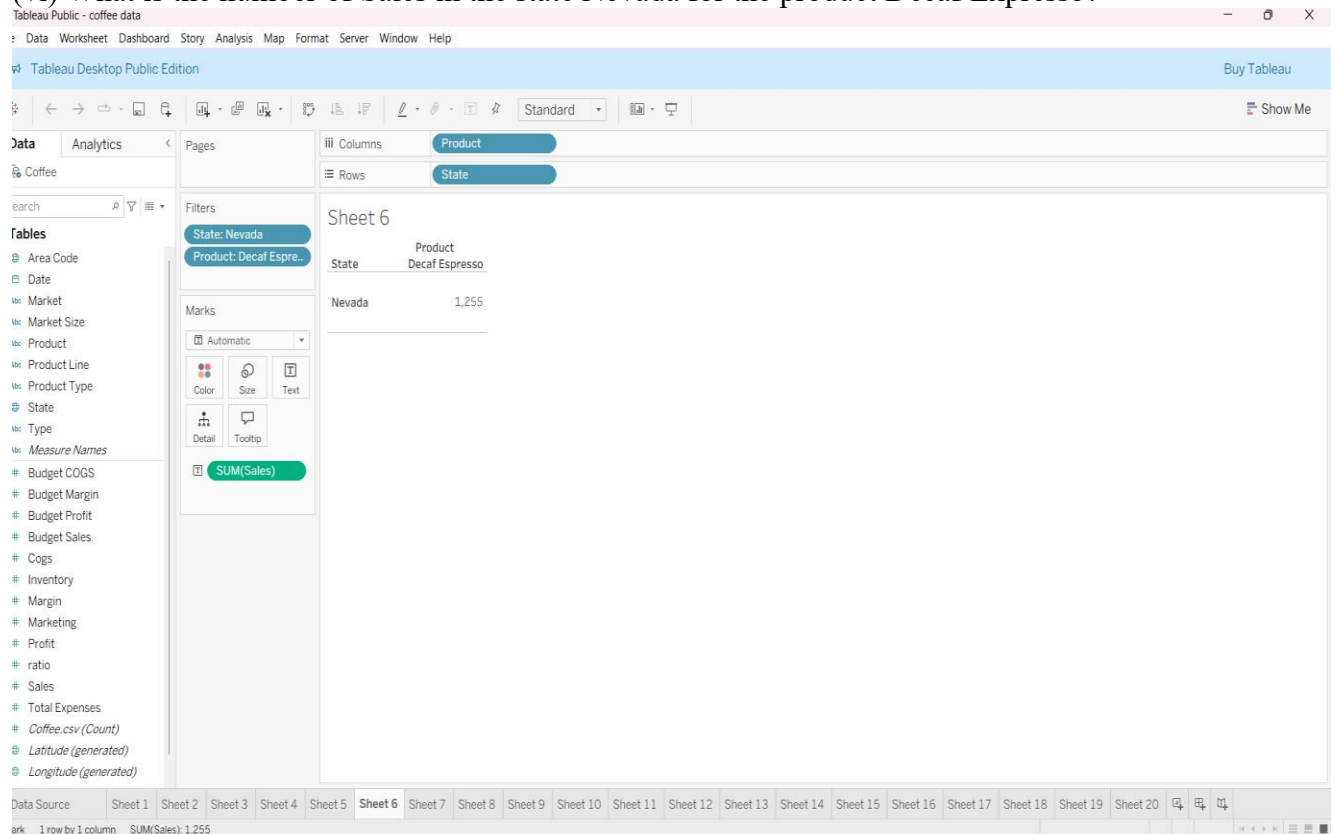(iii)Create a bar chart with Product Type, Product, and Profit. Write your conclusion.

(iv) Create a scatter plot with State, Sales, and Profit. Draw your conclusion.
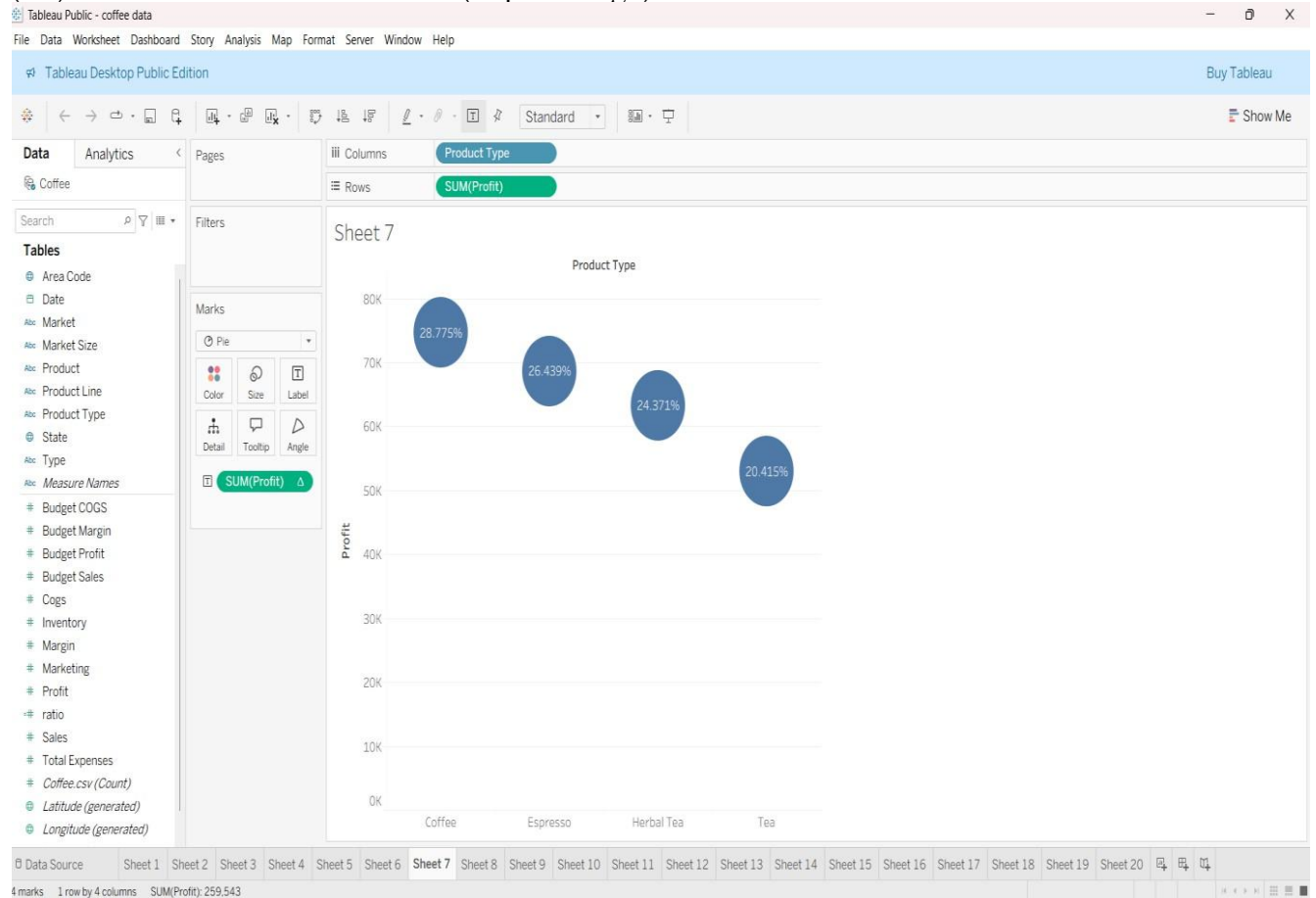
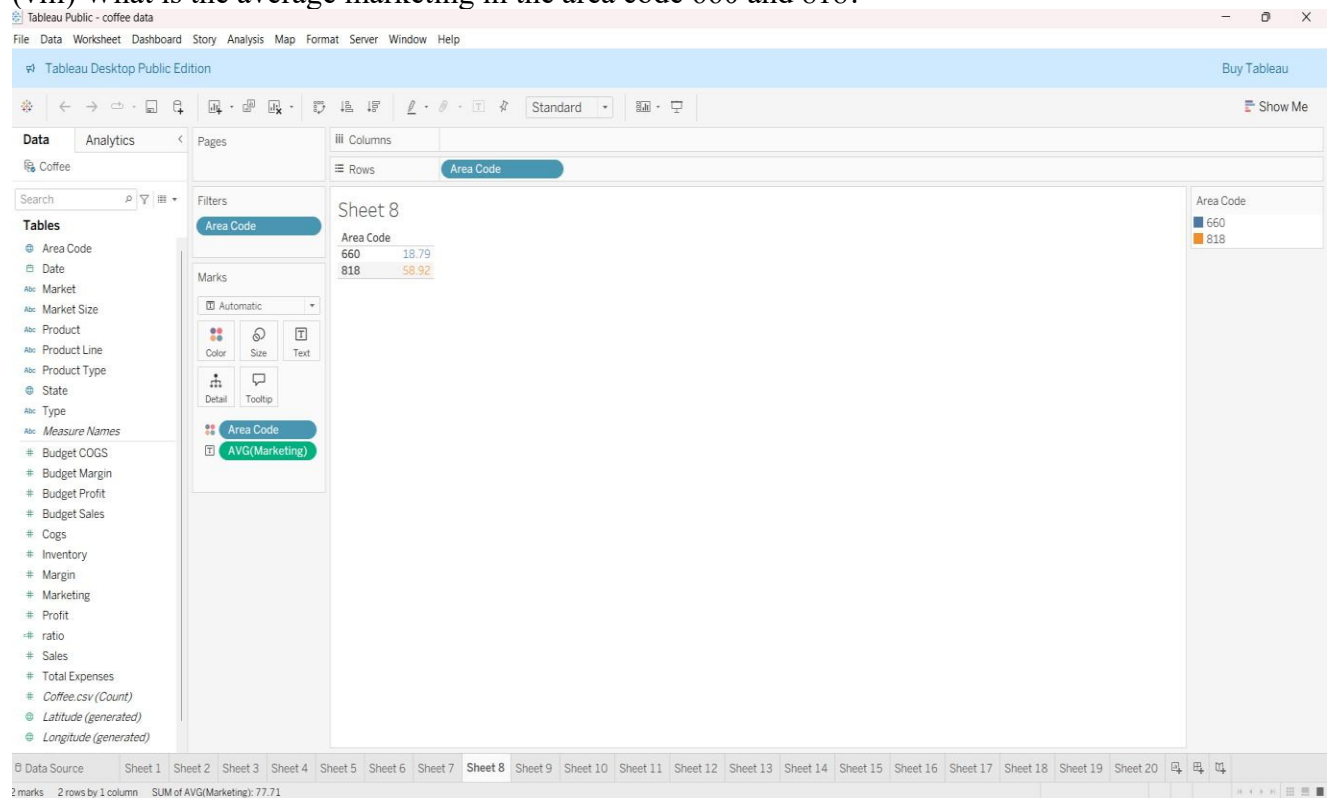**(v) Identify the state with the highest and the lowest profit in the market?**

(vi) What is the number of Sales in the state Nevada for the product Decaf Expresso?
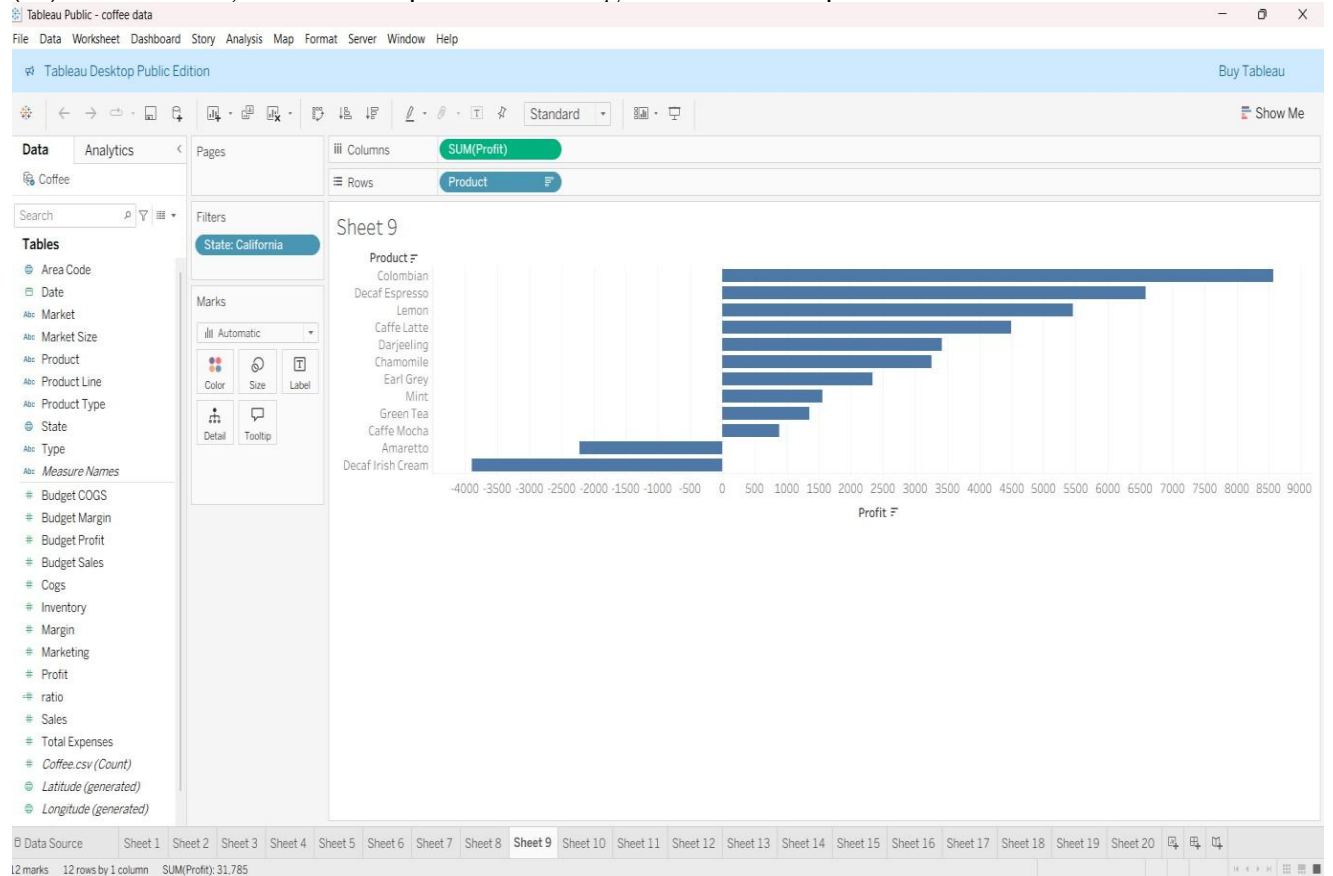
(vii) What is the contribution of tea (in percentage) to the overall Profit?
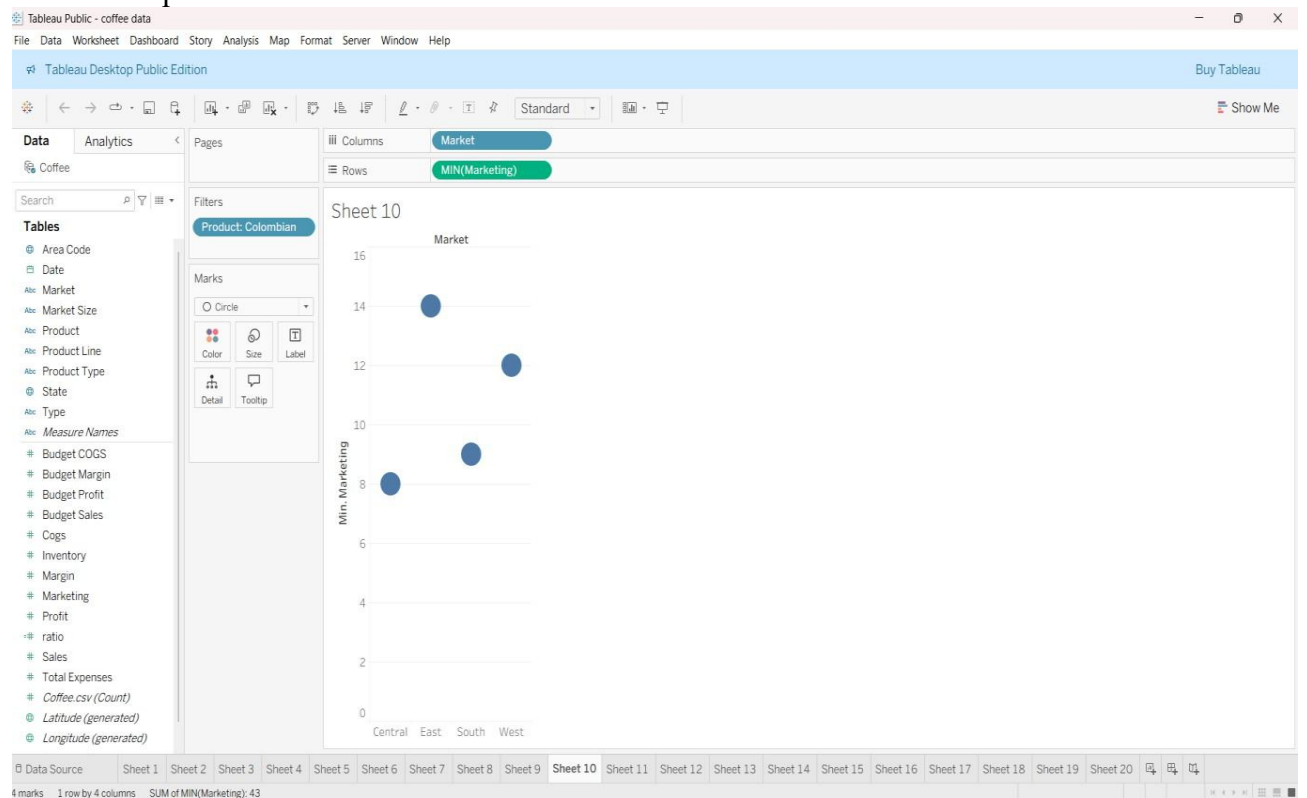

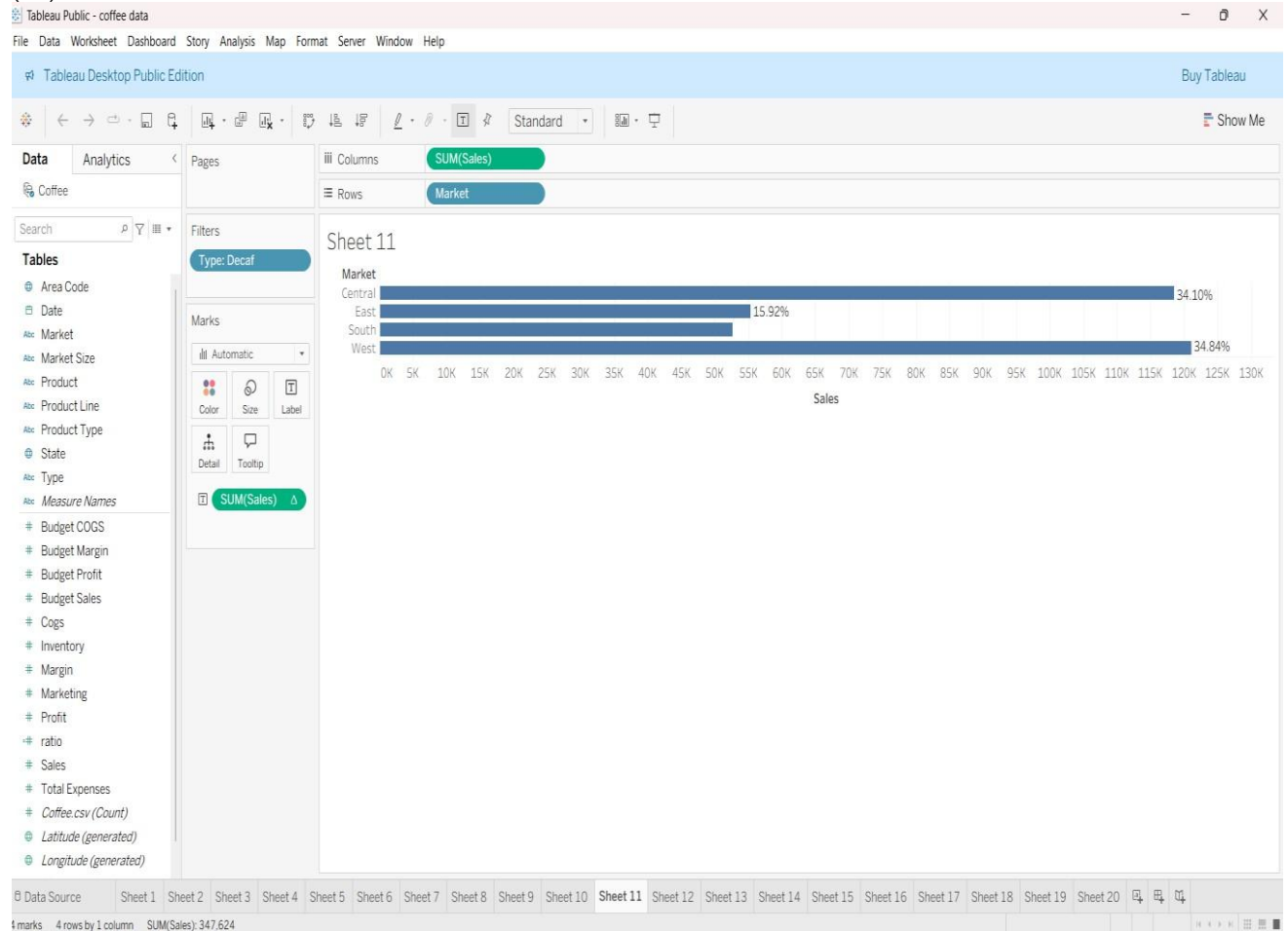**(viii) What is the average marketing in the area code 660 and 818?**

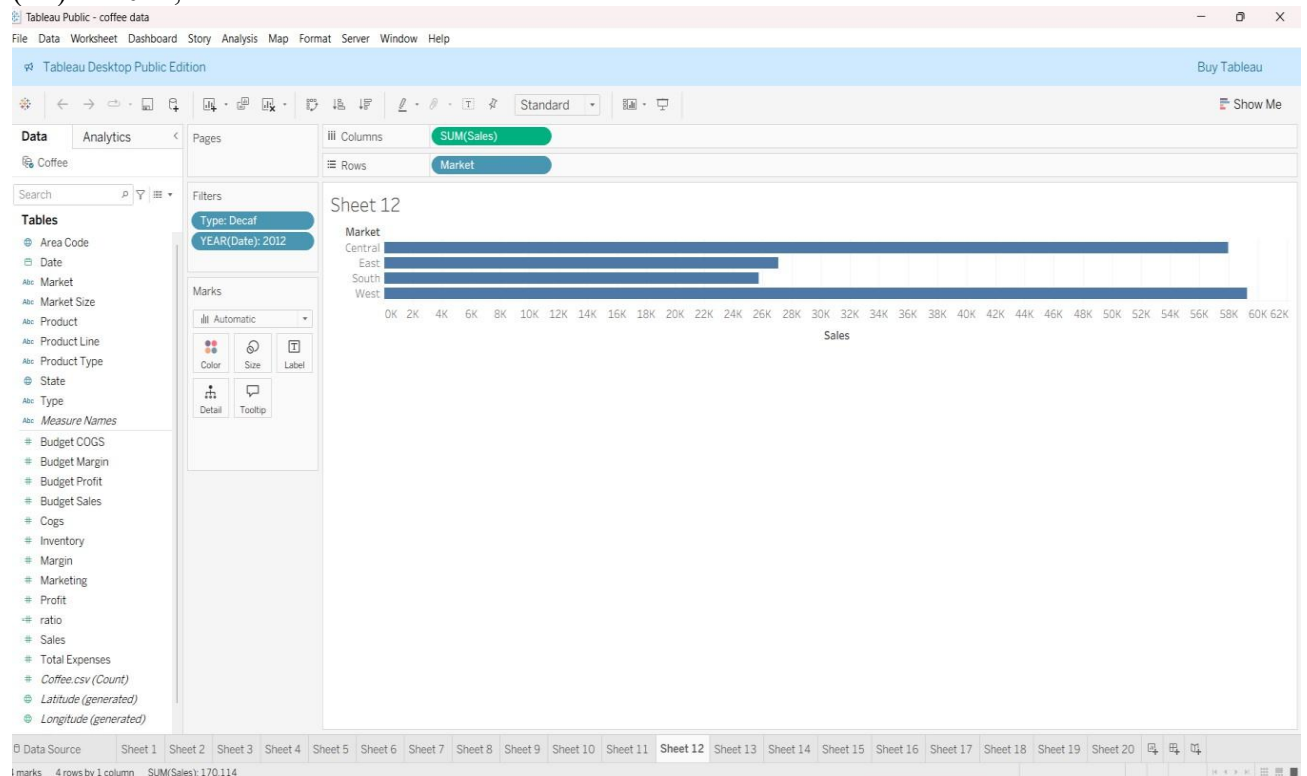(ix) In California, which is the product with highest and lowest profit?

(x) Identify through side-by-side circles, the minimum marketing for the Coffee Beans Colombian product.
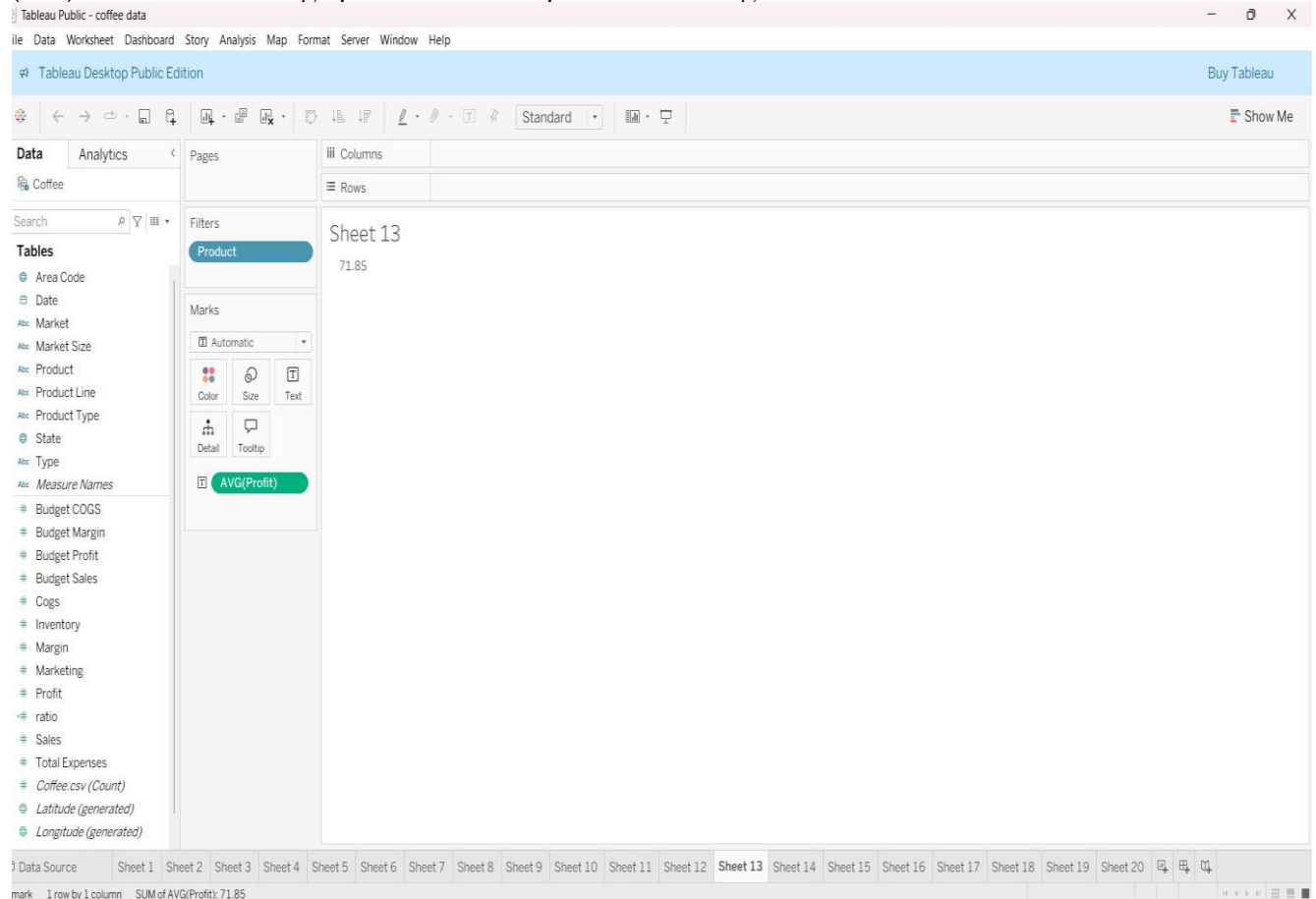
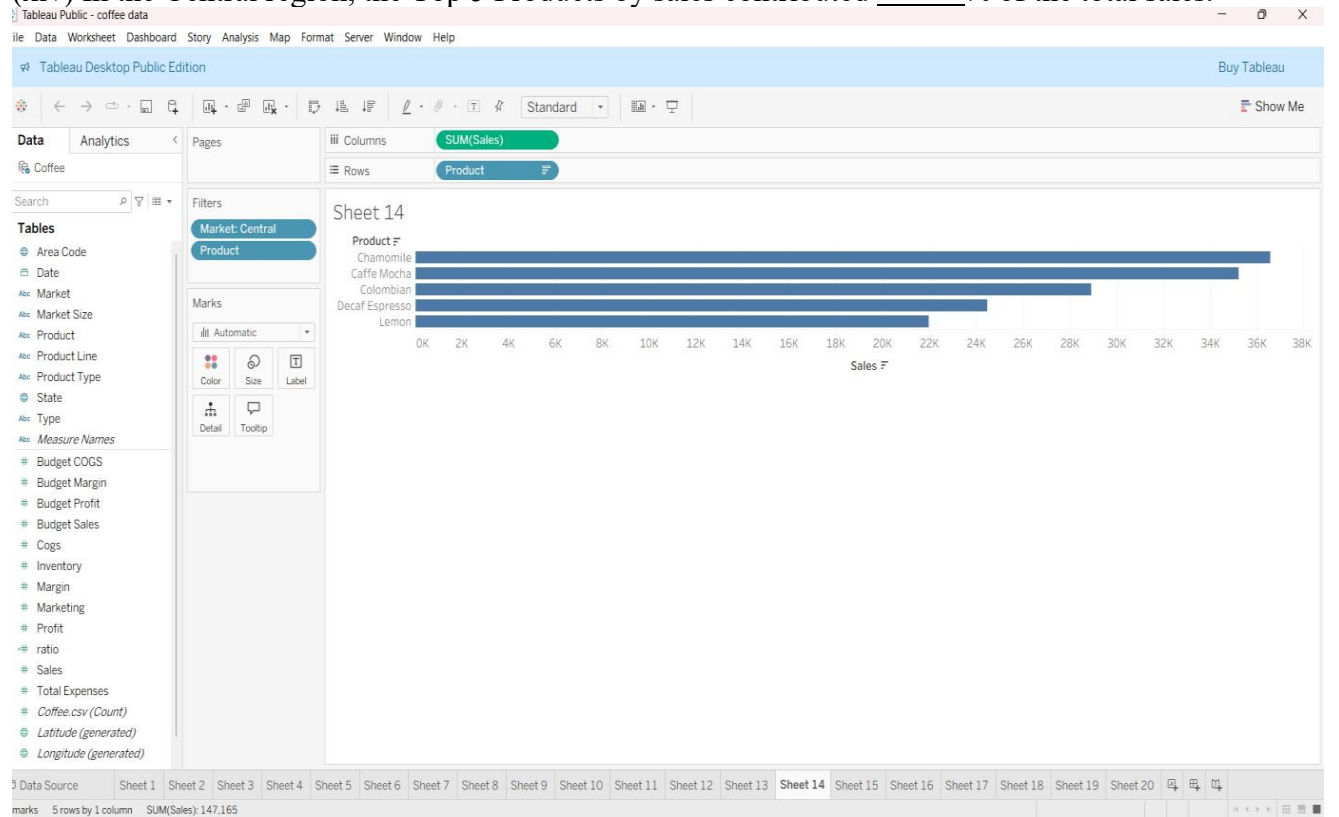(xi) What is the contribution of sales in the East market for Decaf?

(xii) In 2012, what is the contribution of sales in the East market for Decaf?

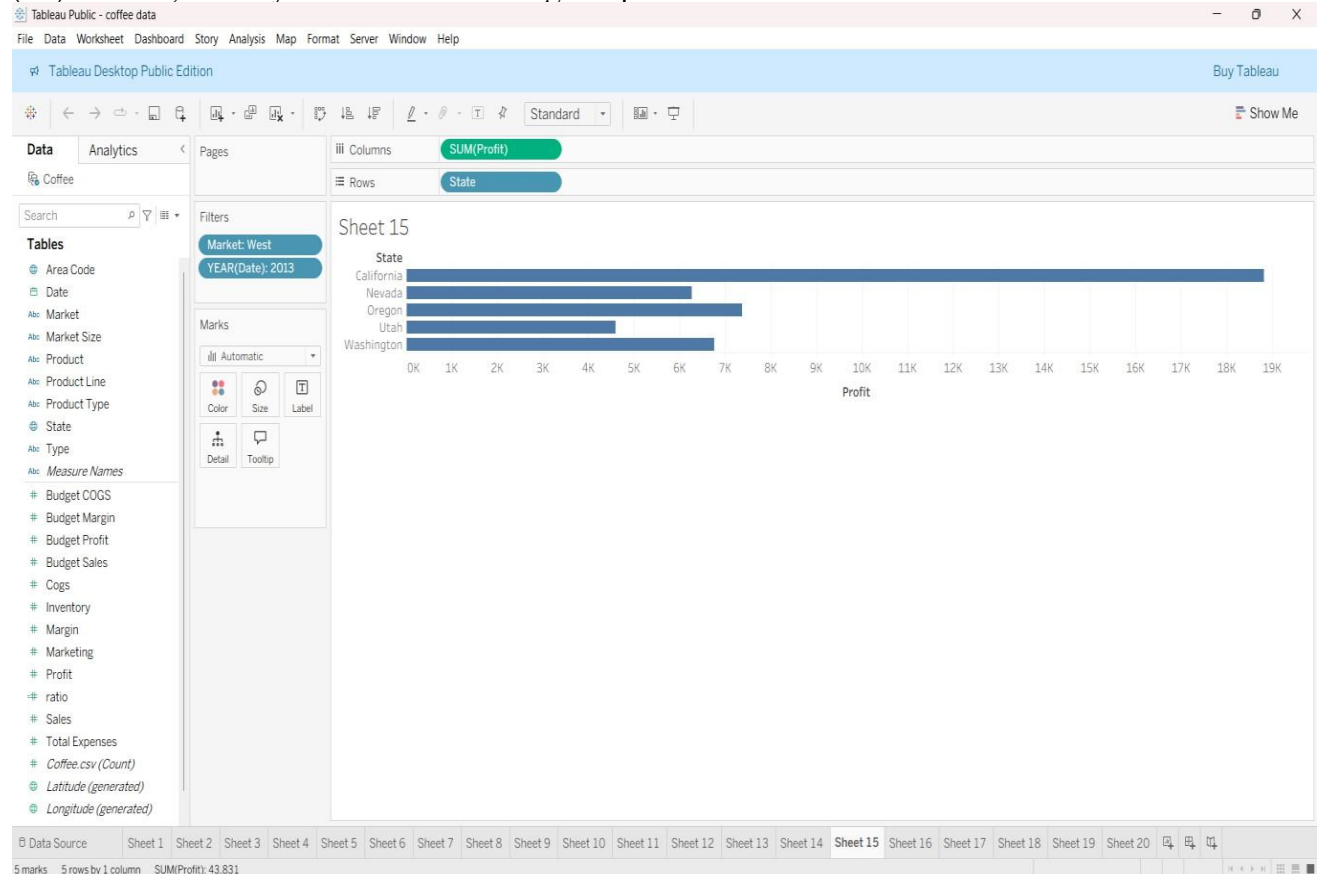(xiii) What is the average profit for all the products starting with C?

(xiv) In the Central region, the Top 5 Products by sales contributed _____% of the total sales.
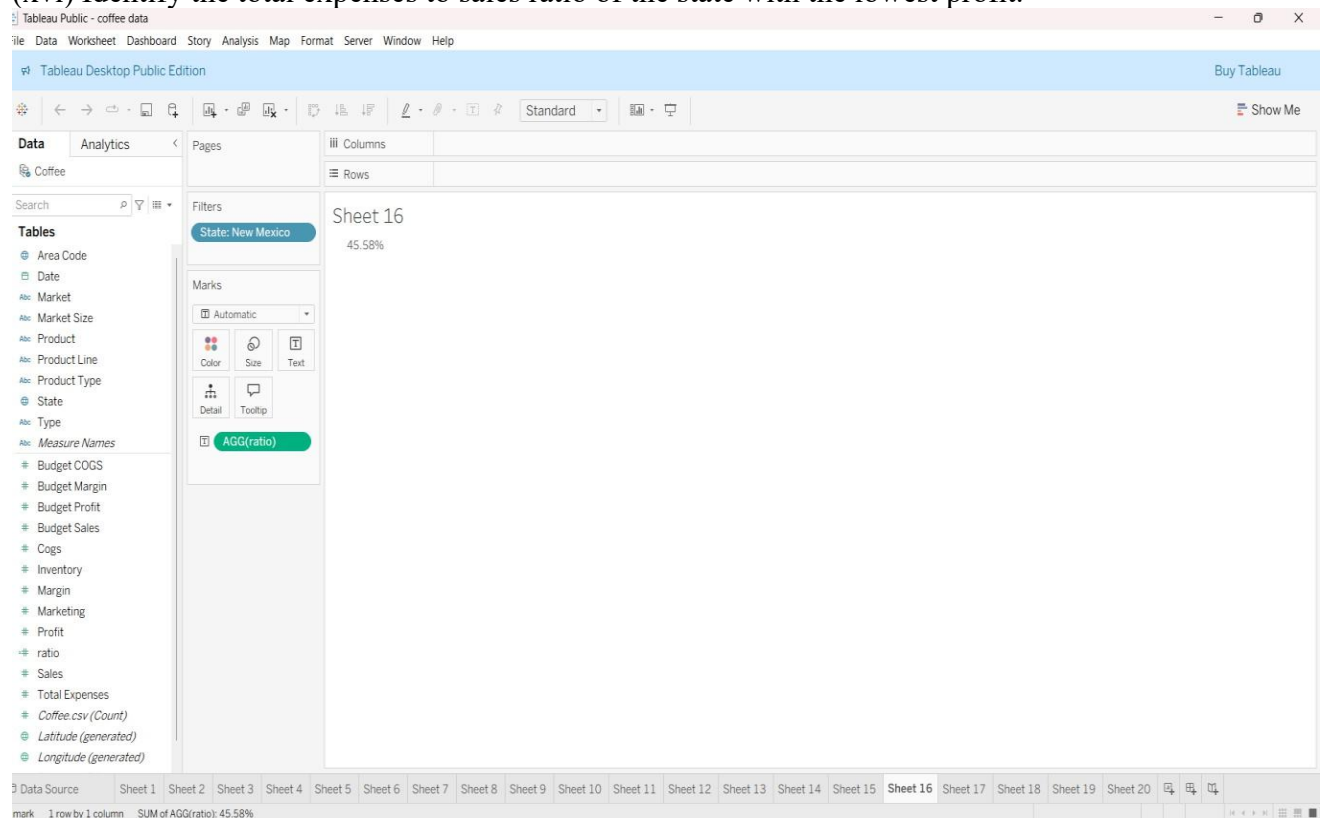
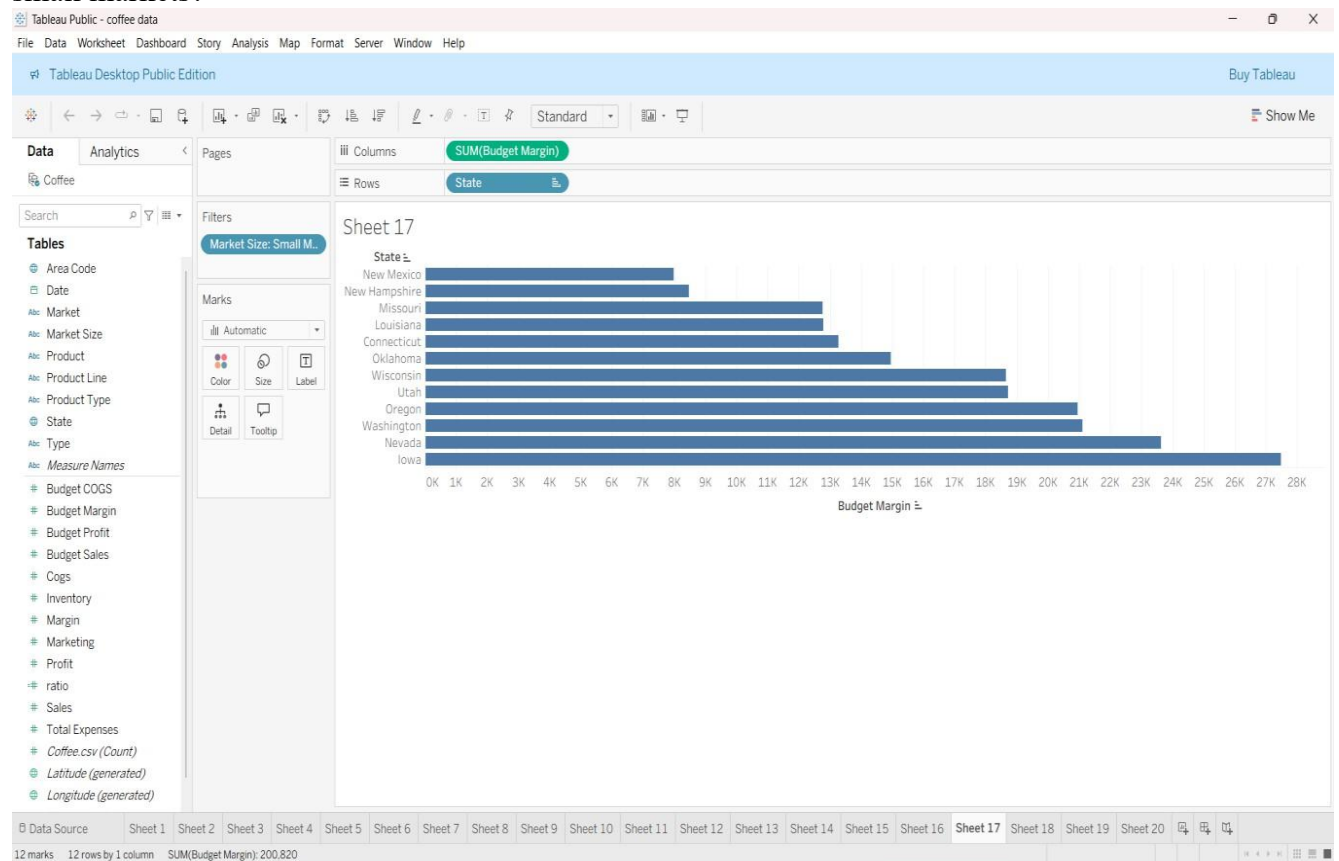(xv) In 2013, identify the state with the highest profit in the West market.

(xvi) Identify the total expenses to sales ratio of the state with the lowest profit.
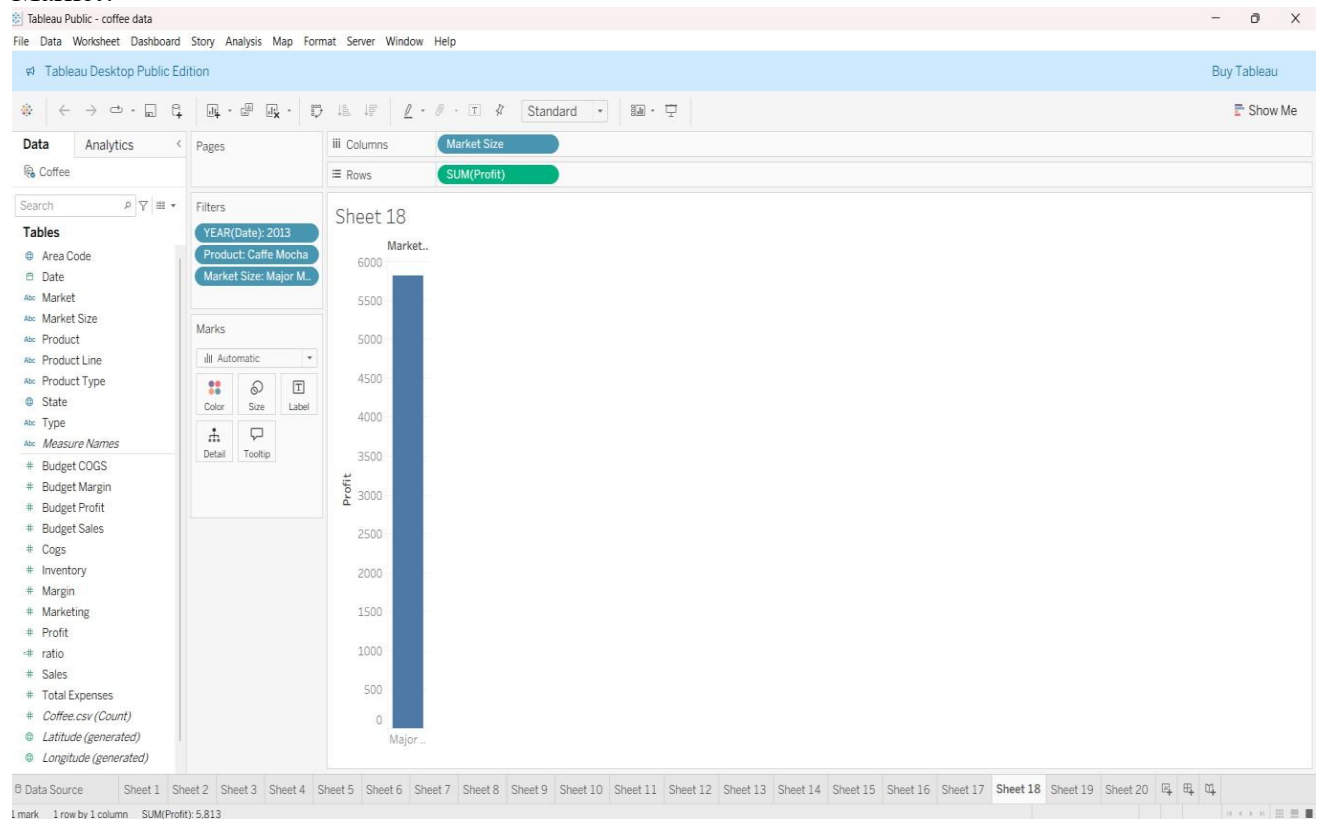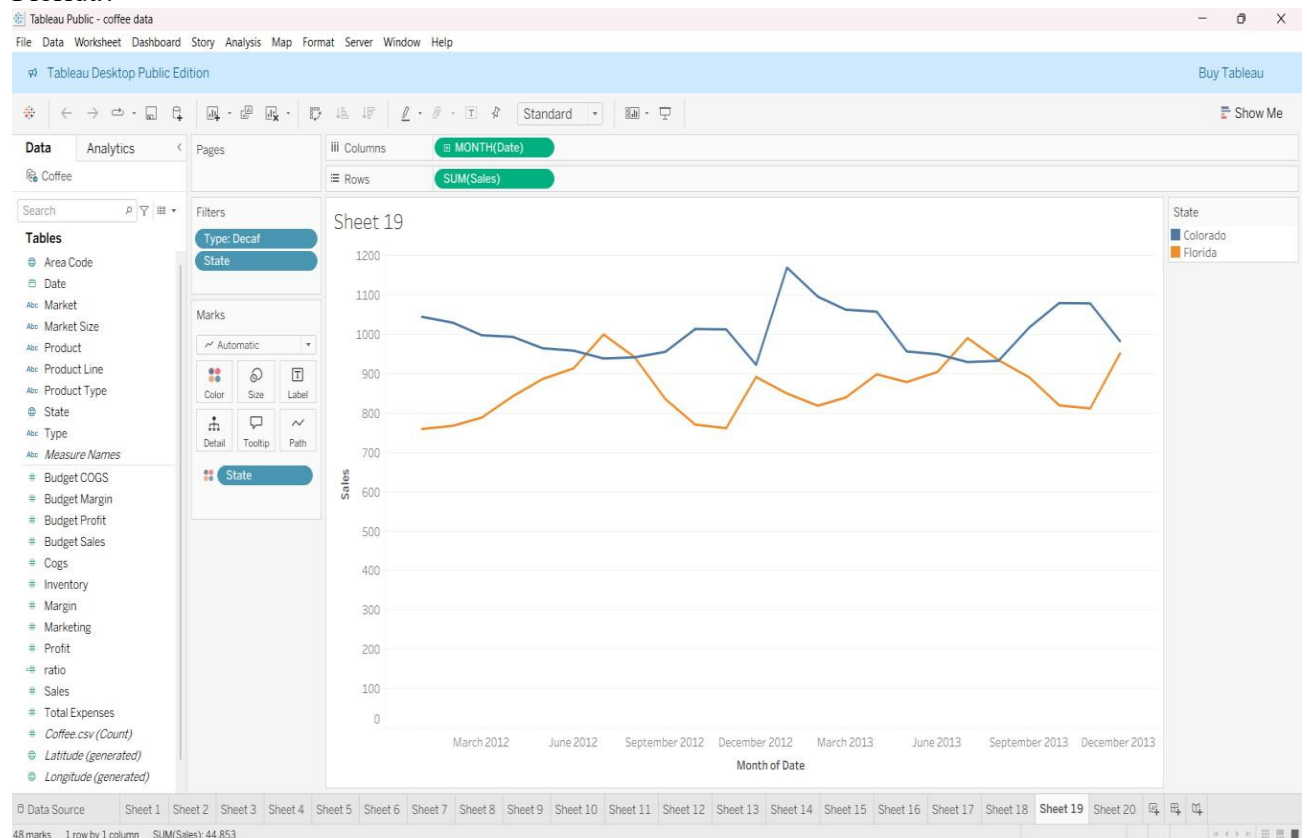
(xvii) What is the distinct count of area codes for the state with the lowest budget margin in small markets?

(xviii) In 2013, what is the percentage of total profit for Caffe Mocha falling under Major Market?

(xix) In which month and year did the sales cross $1,100 for Decaf in Colorado as well as Florida?

(xx) Using tree maps, identify the market with its size having maximum budget sales.