**Q1: What is the total revenue generated (Price × Units Sold for each product)?**

**Q2: Which product generated the highest revenue?**

**Q3: What is the average price of products in each category?**

**Q4: How many total units were sold in the South region?**

**Q5: Categorize products by price → Low (<₹100), Medium (₹100–₹200), High (>₹200). How many in each?**

**Q6: Which category has the highest total units sold?**

**Q7: What is the correlation between Price and Units Sold?**

**Q8: List top 3 products by revenue.**

**Q9: Which region sold the most products overall?**

**Q10: What is the average revenue per product?**

**Q1: What is the total revenue generated (Price × Units Sold for each product)?**

=PRODUCT(J2\*K2)

|  |  |  |
| --- | --- | --- |
| Price | Units Sold | PRODUCT |
| 180 | 120 | 21600 |
| 90 | 180 | 16200 |
| 40 | 300 | 12000 |
| 150 | 100 | 15000 |
| 200 | 80 | 16000 |
| 220 | 75 | 16500 |
| 160 | 130 | 20800 |
| 70 | 210 | 14700 |
| 60 | 160 | 9600 |
| 190 | 90 | 17100 |
|  | SUM | 159500 |

**Q2: Which product generated the highest revenue?**

=MAX(L2:L11)

|  |  |  |  |
| --- | --- | --- | --- |
| Product | Price | Units Sold | PRODUCT |
| Shampoo | 180 | 120 | 21600 |
| Toothpaste | 90 | 180 | 16200 |
| Soap | 40 | 300 | 12000 |
| Face Wash | 150 | 100 | 15000 |
| Conditioner | 200 | 80 | 16000 |
| Lotion | 220 | 75 | 16500 |
| Deodorant | 160 | 130 | 20800 |
| Handwash | 70 | 210 | 14700 |
| Toothbrush | 60 | 160 | 9600 |
| Body Wash | 190 | 90 | 17100 |
|  |  | SUM | 159500 |
|  | Shampoo | MAX | 21600 |

**Q3: What is the average price of products in each category?**

**=AVERAGEIF(B2:B11, E2, C2:C11)**

|  |  |
| --- | --- |
| Haircare | 190 |
| Oralcare | 75 |
| Bodycare | 115 |
| Skincare | 185 |

**Q4: How many total units were sold in the South region?**

=SUMIF(E2:E11,"South",D2:D11)

345

**Q5: Categorize products by price → Low (<₹100), Medium (₹100–₹200), High (>₹200). How many in each?**

=IF(C2<100,"Low",IF(C2<=200,"Medium","High"))

**Q6: Which category has the highest total units sold?**

**=UNIQUE(B2:B11)**

=SUMIF(B2:B11,H2,D2:D11)

=MAX(I2:I5)

|  |  |
| --- | --- |
| Haircare | 200 |
| Oralcare | 340 |
| Bodycare | 730 |
| Skincare | 175 |
|  | 730 |
|  |  |

**Q7: What is the correlation between Price and Units Sold?**

**Correlation between price and units sold is used the measure the linear relationship between two variables[Price, Unit sold]**

**Negative relationship**

=CORREL(C2:C11, D2:D11)

-0.89519

**Q8: List top 3 products by revenue.**

=INDEX(A2:A11, MATCH(LARGE(D2:D11,2), D2:D11, 0))

**Q9: Which region sold the most products overall?**

=UNIQUE(E2:E11)

|  |  |
| --- | --- |
| North | 360 |
| South | 345 |
| West | 510 |
| East | 230 |
| =SORT(A2:K18,2,1)  West | 510 |
| North | 360 |
| South | 345 |
| East | 230 |

**Q10: What is the average revenue per product?**

|  |  |
| --- | --- |
| Shampoo | 140.25 |
| Toothpaste | 139.1667 |
| Soap | 139.6875 |
| Face Wash | 135.3571 |
| Conditioner | 137.0833 |
| Lotion | 136.5 |
| Deodorant | 133.75 |
| Handwash | 130 |
| Toothbrush | 125 |
| Body Wash | 140 |