

SQL Query Analysis Report

Generated: 2025-12-28 10:56:54

Database: SQLITE

1. User Question

show the top 5 five high production cost price product with pai chart.

2. Generated SQL Query

```
SELECT
    product_name AS "Product Name",
    cost_price AS "Production Cost Price"
FROM
```

[Text]

3. Query Validation

Status: PASSED

No issues found

4. Analysis Summary

The top 5 high-cost products show significant production cost variation ranging from \$280 to \$950, with

[Text]

5. Key Metrics

- Highest Production Cost Product: 950.0 USD

[Text]

- Cost Range Spread: 670.0 USD

[Text]

6. Query Results

Total Records: 5 | Columns: 2

Product Name	Production Cost Price
Laptop Pro 15-inch	950.0
Laptop Air 13-inch	750.0
Smartphone X Pro	650.0
Sofa 3-Seater Grey	350.0
Tablet 10-inch HD	280.0

8. Data Visualizations

Chart 1: Shows relative cost allocation across product lines, revealing which products consume the largest share of

[Text]

Production Cost Distribution Among Top 5 High-Cost Products

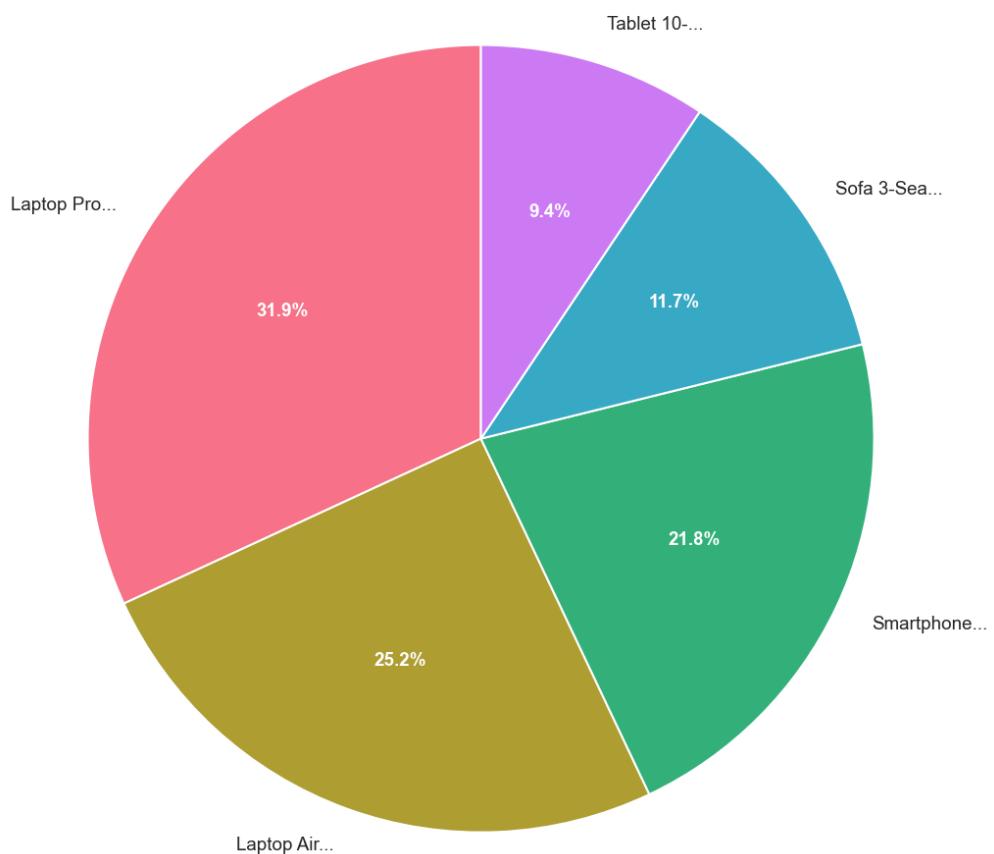
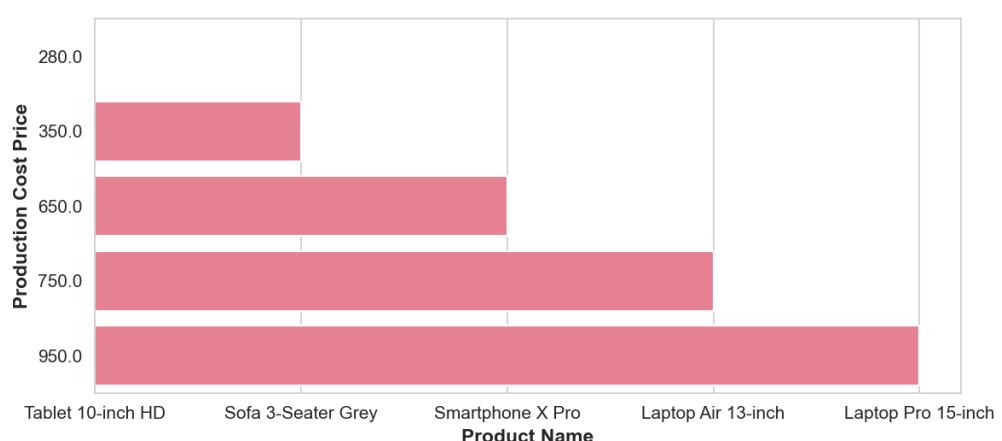


Chart 2: Clear cost hierarchy visualization enabling quick identification of highest investment products and cost gaps

[Text]

Top 5 Products Ranked by Production Cost



9. Process Log

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK SQL Generation: Query created

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK Query Validation: Passed

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

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[Text r]

OK SQL Generation: Query created

[Text r]

OK Query Execution: Retrieved 5 rows, 2 columns

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

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OK SQL Generation: Query created

[Text r]

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[Text r]

OK SQL Generation: Query created

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK Query Validation: Passed

[Text r]

OK Data Analysis: Generated 2 visualization specs

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK SQL Generation: Query created

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK SQL Generation: Query created

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK Query Validation: Passed

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK SQL Generation: Query created

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK Query Validation: Passed

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK SQL Generation: Query created

[Text r]

OK Query Execution: Retrieved 5 rows, 2 columns

[Text r]

-> Visualization: Processing 2 chart specification(s)

[Text r]

-> Created chart: chart_1_105654595353.png (horizontal_bar)

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK SQL Generation: Query created

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

OK Query Validation: Passed

[Text r]

OK Schema Analysis: Found 1 relevant tables - products

[Text r]

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[Text r]

OK SQL Generation: Query created

[Text r]

OK Query Execution: Retrieved 5 rows, 2 columns

[Text r]

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[Text r]

OK SQL Generation: Query created

[Text r]

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[Text r]

OK Query Validation: Passed

[Text r]

OK Data Analysis: Generated 2 visualization specs

[Text r]

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[Text r]

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[Text r]

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[Text r]

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[Text r]

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[Text r]

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[Text r]

OK SQL Generation: Query created

[Text r]

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-> Visualization: Processing 2 chart specification(s)

[Text r]

-> Created chart: chart_1_105654595353.png (horizontal_bar)

[Text r

-> PDF: Embedding 2 chart(s)

[Text r

-> Embedded chart 2 in PDF