

Data Analysis Report

Dataset: **e8129eb8-36a1-4545-a738-5011dac40477.csv**

Rows: **129880**, Columns: **22**

Dear Team,

I hope this message finds you well.

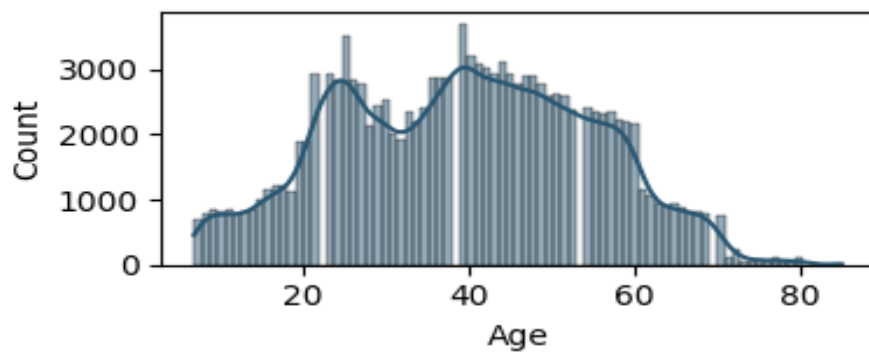
Upon reviewing the recent data analysis session, it appears that the executed code ran without errors but did not produce any output or results. This suggests that while the process was technically successful, no actionable data or insights were generated from the analysis at this stage.

Please let me know if you require assistance in refining the code or exploring alternative approaches to yield meaningful insights.

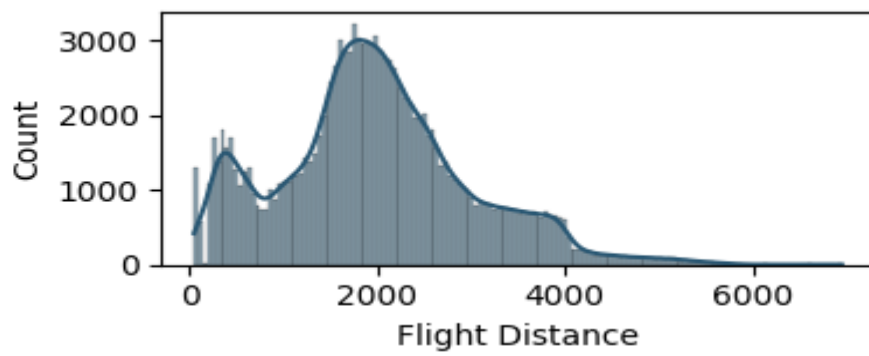
Best regards,
Your Voice2Insights Data Chatbot

Key Distributions

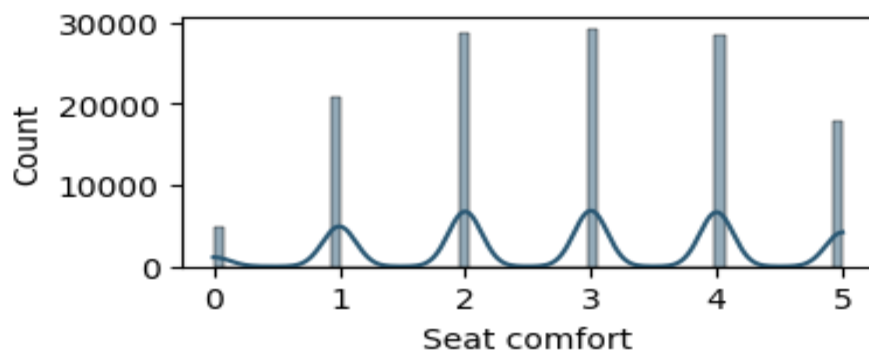
Distribution of **Age**



Distribution of **Flight Distance**



Distribution of **Seat comfort**



Sample Data

| satisfaction | Customer Type | Age | Type of Travel | Class |
|--------------|----------------|-----|-----------------|----------|
| satisfied | Loyal Customer | 65 | Personal Travel | Eco |
| satisfied | Loyal Customer | 47 | Personal Travel | Business |
| satisfied | Loyal Customer | 15 | Personal Travel | Eco |
| satisfied | Loyal Customer | 60 | Personal Travel | Eco |
| satisfied | Loyal Customer | 70 | Personal Travel | Eco |

Columns 1-5 of 22

| Flight Distance | Seat comfort | Departure/Arrival time convenient | Food and drink | Gate location |
|-----------------|--------------|-----------------------------------|----------------|---------------|
| 265 | 0 | 0 | 0 | 2 |
| 2464 | 0 | 0 | 0 | 3 |
| 2138 | 0 | 0 | 0 | 3 |
| 623 | 0 | 0 | 0 | 3 |
| 354 | 0 | 0 | 0 | 3 |

Columns 6-10 of 22

| Inflight wifi service | Inflight entertainment | Online support | Ease of Online booking | On-board service |
|-----------------------|------------------------|----------------|------------------------|------------------|
| 2 | 4 | 2 | 3 | 3 |
| 0 | 2 | 2 | 3 | 4 |
| 2 | 0 | 2 | 2 | 3 |
| 3 | 4 | 3 | 1 | 1 |
| 4 | 3 | 4 | 2 | 2 |

Columns 11-15 of 22

| Leg room service | Baggage handling | Checkin service | Cleanliness | Online boarding |
|------------------|------------------|-----------------|-------------|-----------------|
| 0 | 3 | 5 | 3 | 2 |
| 4 | 4 | 2 | 3 | 2 |
| 3 | 4 | 4 | 4 | 2 |
| 0 | 1 | 4 | 1 | 3 |
| 0 | 2 | 4 | 2 | 5 |

Columns 16-20 of 22

| Departure Delay in Minutes | Arrival Delay in Minutes |
|----------------------------|--------------------------|
| 0.0 | 0.0 |
| 310.0 | 305.0 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |

Columns 21-22 of 22

Statistical Summary

| index | count | unique | top | freq |
|-----------------------------------|----------|--------|-----------------|--------|
| satisfaction | 129880 | 2 | satisfied | 71087 |
| Customer Type | 129880 | 2 | Loyal Customer | 106100 |
| Age | 129880.0 | nan | nan | nan |
| Type of Travel | 129880 | 2 | Business travel | 89693 |
| Class | 129880 | 3 | Business | 62160 |
| Flight Distance | 129880.0 | nan | nan | nan |
| Seat comfort | 129880.0 | nan | nan | nan |
| Departure/Arrival time convenient | 129880.0 | nan | nan | nan |
| Food and drink | 129880.0 | nan | nan | nan |
| Gate location | 129880.0 | nan | nan | nan |
| Inflight wifi service | 129880.0 | nan | nan | nan |
| Inflight entertainment | 129880.0 | nan | nan | nan |
| Online support | 129880.0 | nan | nan | nan |
| Ease of Online booking | 129880.0 | nan | nan | nan |
| On-board service | 129880.0 | nan | nan | nan |
| Leg room service | 129880.0 | nan | nan | nan |
| Baggage handling | 129880.0 | nan | nan | nan |
| Checkin service | 129880.0 | nan | nan | nan |
| Cleanliness | 129880.0 | nan | nan | nan |
| Online boarding | 129880.0 | nan | nan | nan |
| Departure Delay in Minutes | 129880.0 | nan | nan | nan |
| Arrival Delay in Minutes | 129487.0 | nan | nan | nan |

Columns 1-5 of 12

| mean | std | min | 25% | 50% |
|--------------------|--------------------|------|--------|--------|
| nan | nan | nan | nan | nan |
| nan | nan | nan | nan | nan |
| 39.42795657530028 | 15.119359950371694 | 7.0 | 27.0 | 40.0 |
| nan | nan | nan | nan | nan |
| nan | nan | nan | nan | nan |
| 1981.409054511857 | 1027.115605613396 | 50.0 | 1359.0 | 1925.0 |
| 2.838597166615337 | 1.392983243269906 | 0.0 | 2.0 | 3.0 |
| 2.990645210963967 | 1.5272243703451134 | 0.0 | 2.0 | 3.0 |
| 2.851994148444718 | 1.4437293865730385 | 0.0 | 2.0 | 3.0 |
| 2.990421927933477 | 1.3059698939850524 | 0.0 | 2.0 | 3.0 |
| 3.2491299661225748 | 1.318817519668061 | 0.0 | 2.0 | 3.0 |
| 3.3834770557437635 | 1.3460591444981018 | 0.0 | 2.0 | 4.0 |
| 3.519702802587003 | 1.3065106903517543 | 0.0 | 3.0 | 4.0 |
| 3.4721050200184784 | 1.3055596480285874 | 0.0 | 2.0 | 4.0 |
| 3.465075454265476 | 1.2708355823355117 | 0.0 | 3.0 | 4.0 |
| 3.485902371419772 | 1.2922259830022538 | 0.0 | 2.0 | 4.0 |
| 3.695672928857407 | 1.156483396739699 | 1.0 | 3.0 | 4.0 |
| 3.3408068986757007 | 1.260582284954588 | 0.0 | 3.0 | 3.0 |
| 3.7057591623036648 | 1.1517739117986947 | 0.0 | 3.0 | 4.0 |

| | | | | |
|--------------------|--------------------|-----|-----|-----|
| 3.3525870033877427 | 1.2987145021407431 | 0.0 | 2.0 | 4.0 |
| 14.713712657838004 | 38.07112621503653 | 0.0 | 0.0 | 0.0 |
| 15.09112883918849 | 38.4656502401191 | 0.0 | 0.0 | 0.0 |

Columns 6-10 of 12

| 75% | max |
|--------|--------|
| nan | nan |
| nan | nan |
| 51.0 | 85.0 |
| nan | nan |
| nan | nan |
| 2544.0 | 6951.0 |
| 4.0 | 5.0 |
| 4.0 | 5.0 |
| 4.0 | 5.0 |
| 4.0 | 5.0 |
| 4.0 | 5.0 |
| 4.0 | 5.0 |
| 5.0 | 5.0 |
| 5.0 | 5.0 |
| 4.0 | 5.0 |
| 5.0 | 5.0 |
| 5.0 | 5.0 |
| 4.0 | 5.0 |
| 5.0 | 5.0 |
| 4.0 | 5.0 |
| 12.0 | 1592.0 |
| 13.0 | 1584.0 |

Columns 11-12 of 12