**Customer Purchase Details Analysis**

Analyze the customer product purchase from the given dataset with R Programming. Process the produce purchase by Age, Gender, Purchase amount, and Membership level, and visualize all necessary plots in 3D visualization.

**Project:**

1. Load Data
2. Data Cleaning
3. Data Processing
4. EDA Analysis
5. Visualization – 20 plots

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| --- | --- | --- | --- | --- |
| Customer ID | Age | Gender | Purchase Amount | Membership Level |
| 1 | 35 | Male | 100 | Gold |
| 2 | 28 | Female | 80 | Silver |
| 3 | 42 | Male | 120 | Bronze |
| 4 | 25 | Female | 90 | Bronze |
| 5 | 38 | Male | 110 | Silver |
| 6 | 45 | Female | 150 | Gold |
| 7 | 23 | Male | 60 | Silver |
| 8 | 34 | Female | 130 | Gold |
| 9 | 40 | Male | 95 | Bronze |
| 10 | 30 | Female | 85 | Silver |
| 11 | 29 | Male | 70 | Bronze |
| 12 | 50 | Female | 160 | Gold |
| 13 | 32 | Male | 75 | Silver |
| 14 | 47 | Female | 140 | Bronze |
| 15 | 36 | Male | 115 | Gold |
| 16 | 27 | Female | 65 | Silver |
| 17 | 41 | Male | 125 | Bronze |
| 18 | 33 | Female | 135 | Gold |
| 19 | 39 | Male | 105 | Silver |
| 20 | 26 | Female | 95 | Bronze |
| 21 | 48 | Male | 145 | Gold |
| 22 | 31 | Female | 90 | Silver |
| 23 | 44 | Male | 120 | Bronze |
| 24 | 37 | Female | 125 | Gold |
| 25 | 43 | Male | 130 | Silver |
| 26 | 24 | Female | 85 | Bronze |
| 27 | 46 | Male | 155 | Gold |
| 28 | 49 | Female | 140 | Silver |
| 29 | 21 | Male | 50 | Bronze |
| 30 | 22 | Female | 60 | Silver |