

**The ANOVA Procedure**

| Class Level Information |        |             |
|-------------------------|--------|-------------|
| Class                   | Levels | Values      |
| TREAT                   | 3      | A B PLACEBO |

|                             |    |
|-----------------------------|----|
| Number of Observations Read | 30 |
| Number of Observations Used | 30 |

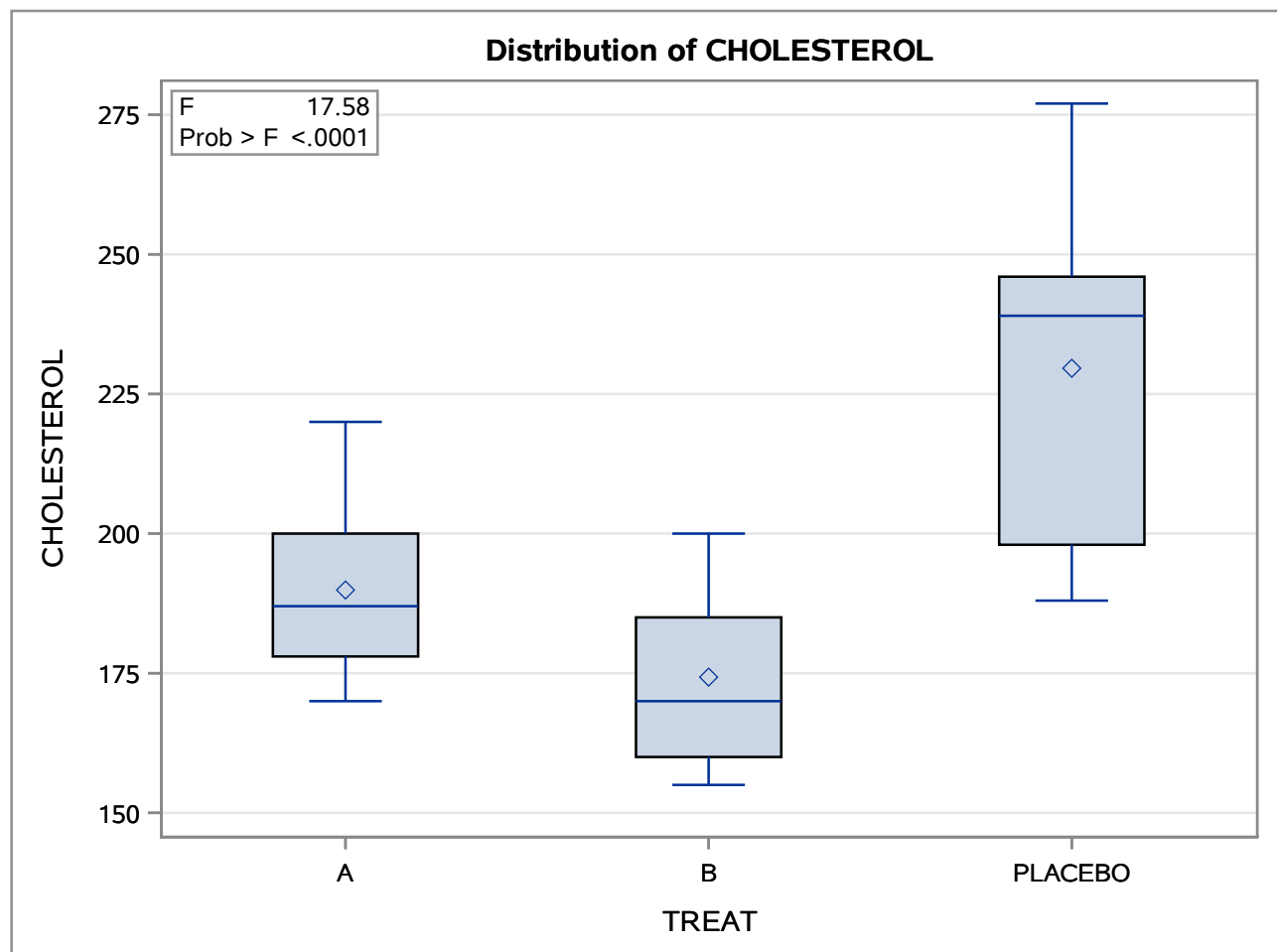
## The ANOVA Procedure

Dependent Variable: CHOLESTEROL

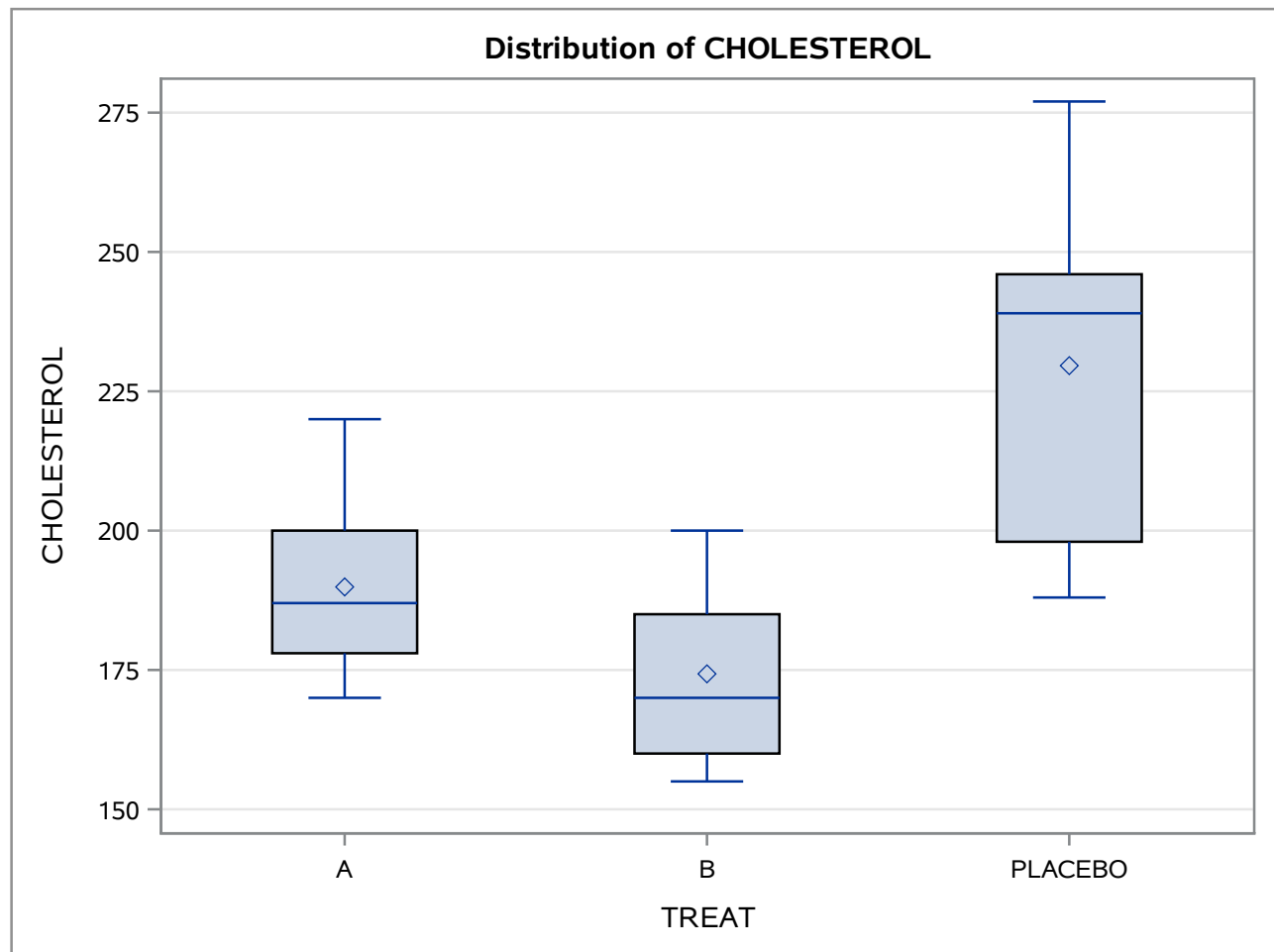
| Source          | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|----|----------------|-------------|---------|--------|
| Model           | 2  | 16258.46667    | 8129.23333  | 17.58   | <.0001 |
| Error           | 27 | 12483.40000    | 462.34815   |         |        |
| Corrected Total | 29 | 28741.86667    |             |         |        |

| R-Square | Coeff Var | Root MSE | CHOLESTEROL Mean |
|----------|-----------|----------|------------------|
| 0.565672 | 10.86340  | 21.50228 | 197.9333         |

| Source | DF | Anova SS    | Mean Square | F Value | Pr > F |
|--------|----|-------------|-------------|---------|--------|
| TREAT  | 2  | 16258.46667 | 8129.23333  | 17.58   | <.0001 |



## The ANOVA Procedure



## The ANOVA Procedure

## Student-Newman-Keuls Test for CHOLESTEROL

**Note:** This test controls the Type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

|                          |          |
|--------------------------|----------|
| Alpha                    | 0.05     |
| Error Degrees of Freedom | 27       |
| Error Mean Square        | 462.3481 |

|                 |           |           |
|-----------------|-----------|-----------|
| Number of Means | 2         | 3         |
| Critical Range  | 19.730539 | 23.841676 |

| Means with the same letter are not significantly different. |         |    |         |
|---|---------|----|---------|
| SNK Grouping  | Mean    | N  | TREAT   |
| A   | 229.600 | 10 | PLACEBO |
|   |         |    |         |
| B   | 189.900 | 10 | A       |
| B   |         |    |         |
| B   | 174.300 | 10 | B       |