BOX PLOT

Stroy Telling

TABLE
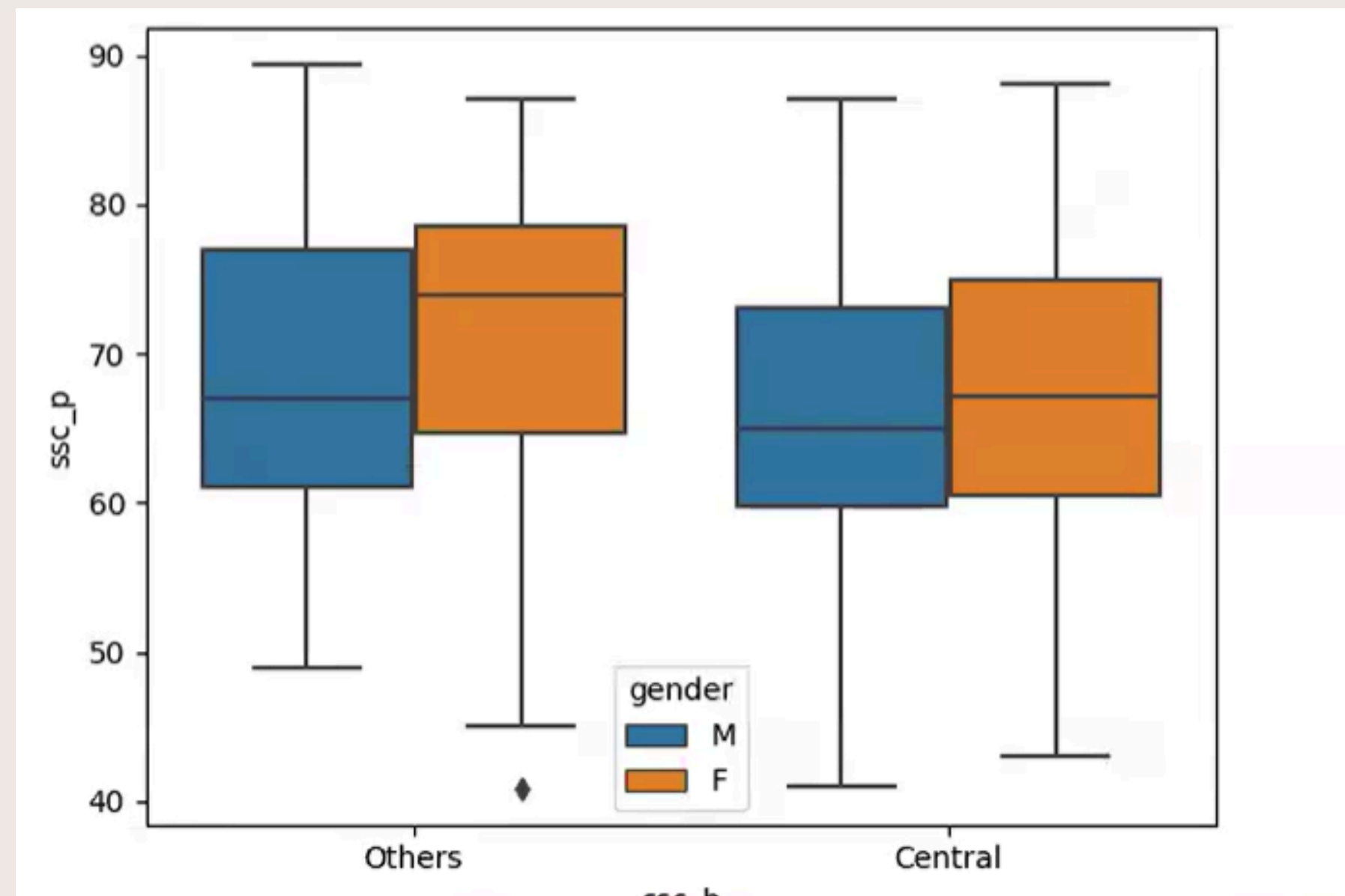# OF CONTENTS

PROBLEM
STATEMENT

We want to compare SSC percentages between students from Central boards and Other boards to see if one group consistently performs better, or if performance is similar across both.
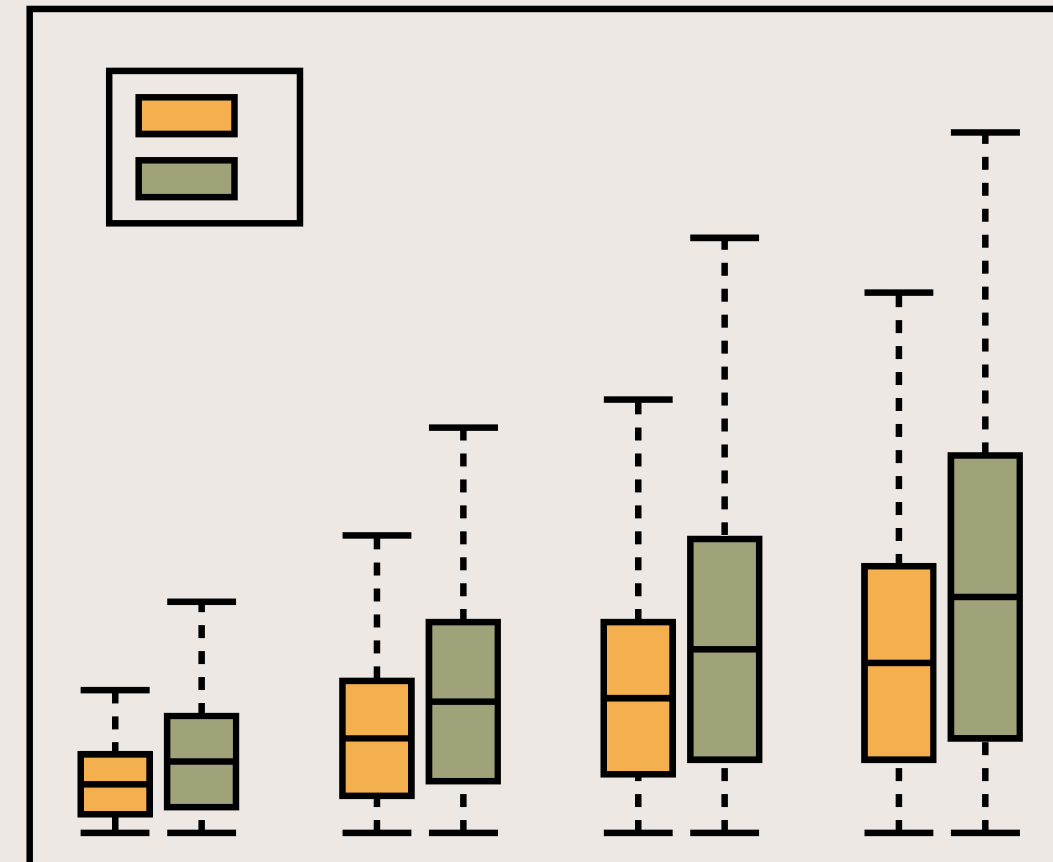
CHART

WHAT DOES THE CHART SHOW

This is a Grouped Box Plot. It compares SSC percentages across Central and Other boards, while also showing differences between males and females in each group.

EXPLAIN THE
BOX PLOT (PARTS)

1 Line inside box = Median (typical score).

2 Box = Middle 50% (Q1–Q3) → consistency of scores.

3 Whiskers = overall spread of scores.

4 Dots outside whiskers = Outliers (unusually high/low performers).
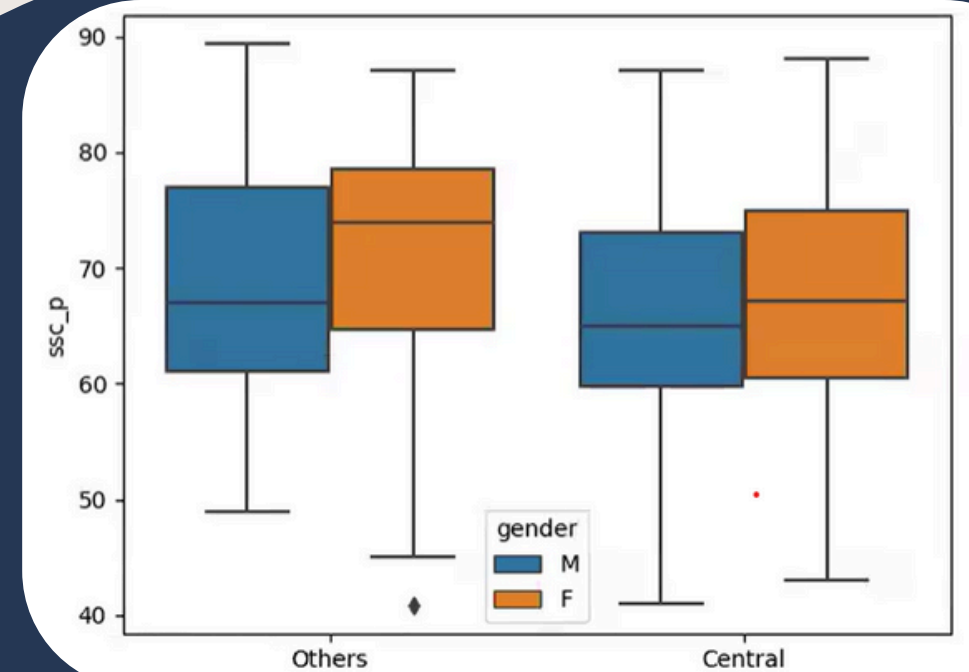
INSIGHTS FROM
GRAPH

Spread

- Males → wider spread, more variation.
- Females → narrower spread, more consistent.

Median

- In Other Boards, females score higher (median ~75%) than males (~65%).
- In Central Boards, females also slightly outperform males.

Outliers

One low outlier in Other Board Female.

Pattern

Gender differences are more visible than board differences.

TAKEAWAY

The data suggests that gender has a stronger influence than board type. Females show more consistent and higher SSC performance across both Central and Other boards, while males show more variation.

THANK YOU