

# msci.2320\_SEA

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## 1 Findings from COVID-19 Region-Wise Analysis

### 1.1 1. Confirmed Cases by WHO Region

From the bar plot of confirmed cases: - **Europe and the Americas** have the highest number of confirmed cases. - **Western Pacific** and **Africa** reported significantly lower case numbers. - This shows the uneven global impact of the pandemic across regions.

### 1.2 2. Comparison of Confirmed, Deaths, and Recovered

From the stacked bar plot: - **Americas** have the highest deaths, indicating a severe outbreak. - **Europe** shows high recoveries along with high confirmed cases. - **South-East Asia** has moderate confirmed cases but a very high recovery ratio. - **Africa** has lower case counts overall, possibly due to lower testing or actual containment.

### 1.3 3. Mortality Insights

High deaths relative to confirmed cases in the Americas and Europe suggests: - Strain on healthcare systems during peak waves - Higher elderly population - Variation in reporting standards

### 1.4 4. Recovery Insights

Regions like **South-East Asia** and **Western Pacific** show: - Better recovery-to-confirmed ratios - Possible benefit from early interventions and stricter lockdowns

### 1.5 Overall Conclusion

The data indicates that COVID-19 impacted world regions differently. Recovery and fatality ratios vary widely, showing differences in:

- Healthcare infrastructure

- Population vulnerabilities
- Government response strategies
- Testing and reporting accuracy