

Practice: Using Control Charts as an Exploratory Tool

For this exercise, we use a control chart as an exploratory tool. Open the file **CrisisTeamData.jmp** and create an individual and moving range chart for **MFI**.

1. Add **Shift** as a phase variable. Is there a difference in the mean of **MFI** between the four shifts?
2. Add **Quarry** as a phase variable. Is there a difference in the mean between the three quarries?

The average of **MFI** for each of the four shifts is very similar. The average of **MFI** across the three quarries is also very similar.

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Statistical Thinking for Industrial Problem Solving

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