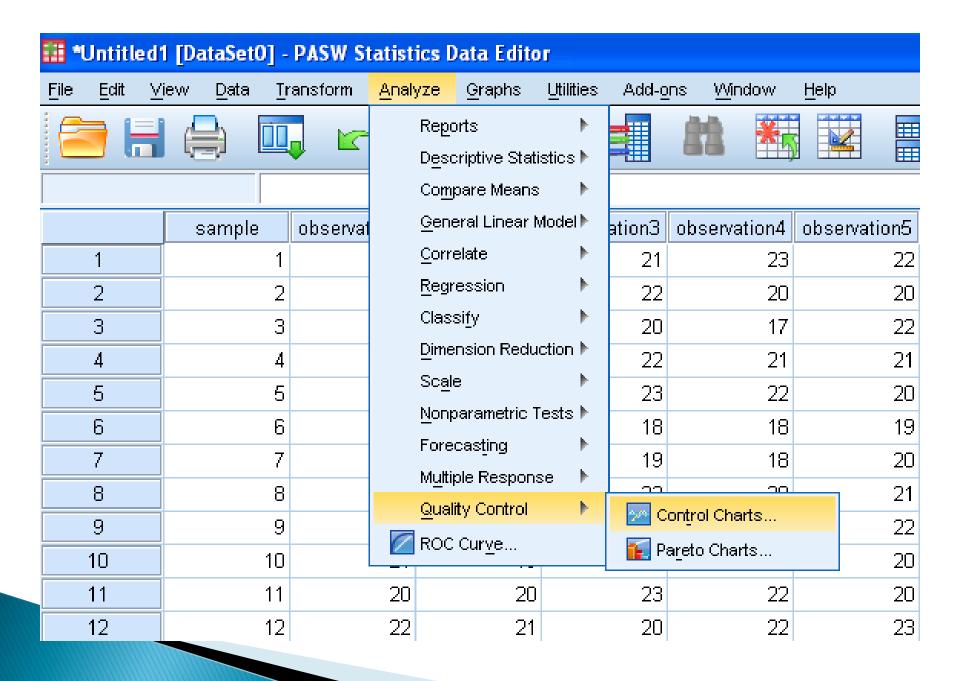
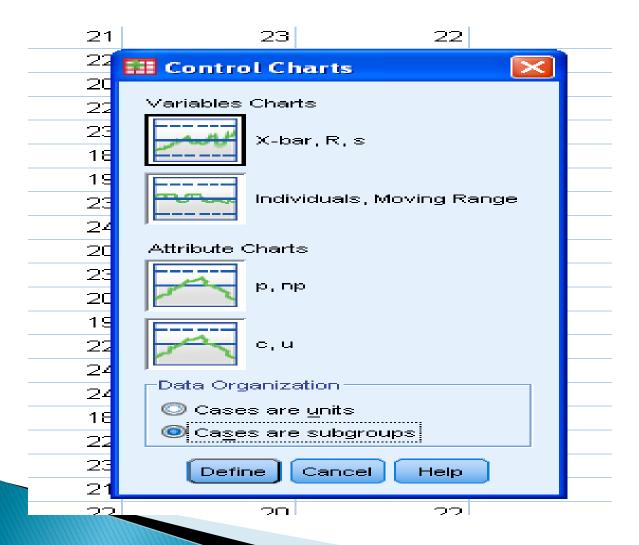
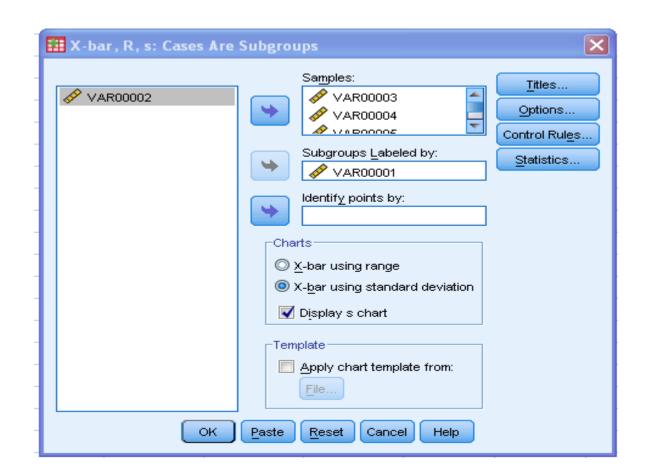
Control Charts Cont.;

- 1. X-Bar and S Charts
- 2. MR- Chart
- 3. p Chart
- 4. np Chart
- 5. c- Chart

Please open the excel file that you download from the course web page. And copy and paste the data related with Q1 to the Spss program.







X-bar, R, s: Control Rules



- Select all control rules
 - ✓ Above +3 sigma

- ✓ Below -3 sigma
- - 2 out of last 3 above +2 sigma 🔃 2 out of last 3 below -2 sigma
- 4 out of last 5 above +1 sigma
 - 4 out of last 5 below -1 sigma
- 8 points above center line
- 8 points below center line

6 in a row trending up

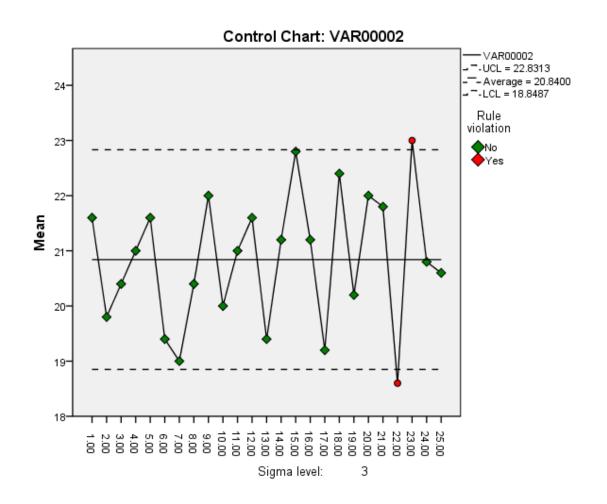
6 in a row trending down

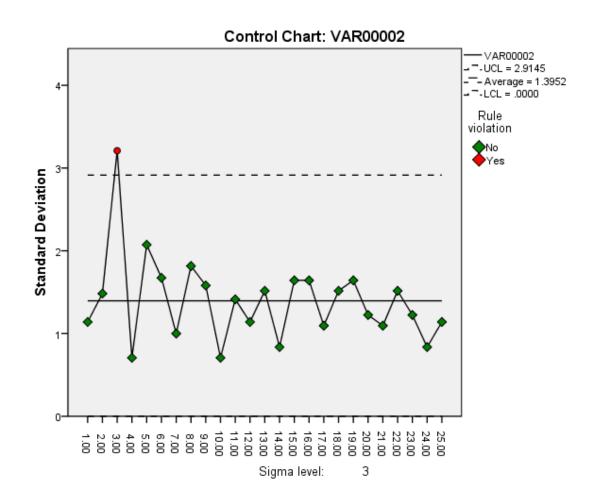
14 in a row alternating

Continue

Cancel

Help





Rule Violations for X-bar

VAR00001	Violations for Points
22.00	Less than -3 sigma
23.00	Greater than +3 sigma

2 points violate control rules.

Rule Violations for SD

VAR00001	Violations for Points
3.00	Greater than +3 sigma

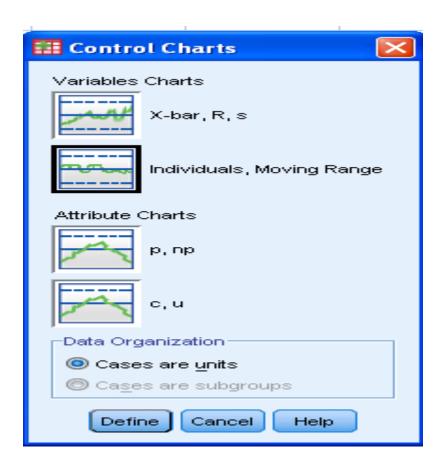
1 points violate control rules.

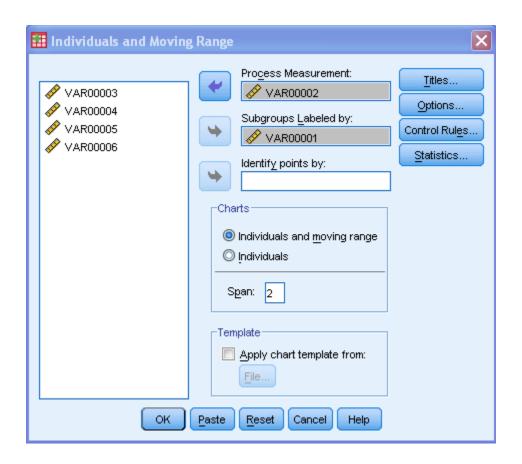
Remedial actions were taken to rectify this situation.

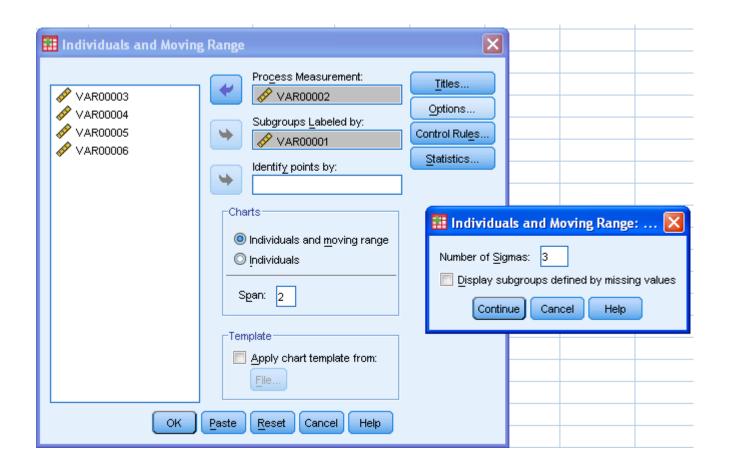
Delete samples necessary and revised the control limits.

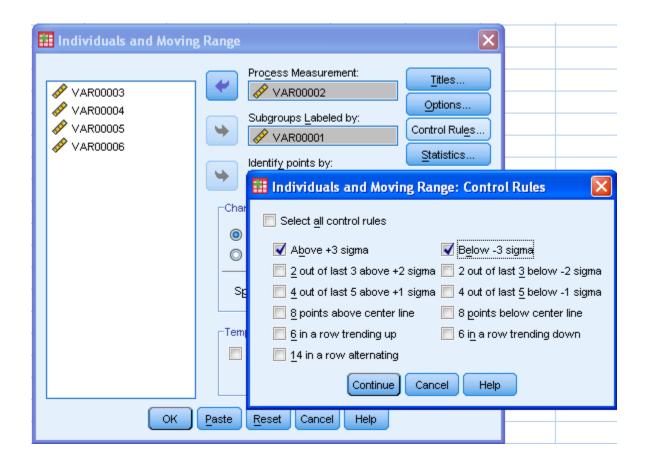
Example 2; MR-Chart

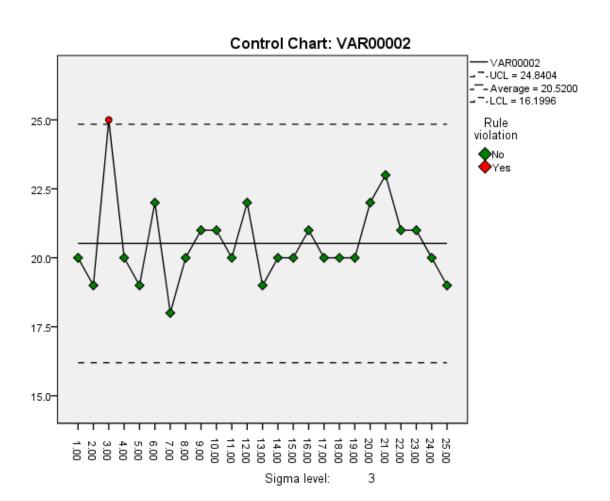
Please open the excel file that you download from the course web page. And copy and paste the data related with Q2 to the Spss program.

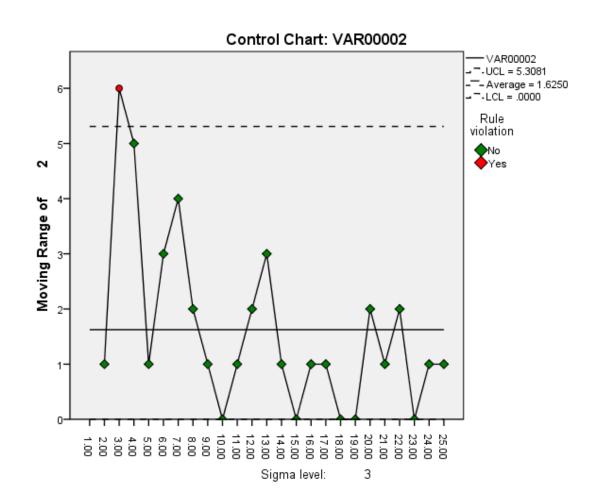












Rule Violations for Run

VAR00001	Violations for Points
3.00	Greater than +3 sigma

1 points violate control rules.

Rule Violations for MR

VAR00001	Violations for Points
3.00	Greater than +3 sigma

1 points violate control rules.

Remedial actions were taken to rectify this situation.

Delete samples necessary and revised the control limits.