

| Stakeholder Management Project | | | |
|--------------------------------|----|----|----|
| N | Q1 | Q2 | Q3 |
| 1 | 2 | 1 | 2 |
| 2 | 1 | 1 | 2 |
| 3 | 1 | 1 | 1 |
| 4 | 2 | 2 | 2 |
| 5 | 2 | 2 | 2 |
| 6 | 2 | 2 | 2 |
| 7 | 2 | 2 | 2 |
| 8 | 2 | 2 | 2 |
| 9 | 2 | 2 | 2 |
| 10 | 2 | 2 | 2 |
| 11 | 2 | 2 | 2 |
| 12 | 2 | 2 | 2 |
| 13 | 2 | 2 | 2 |
| 14 | 2 | 2 | 2 |
| 15 | 2 | 2 | 2 |
| 16 | 1 | 2 | 2 |
| 17 | 1 | 2 | 2 |
| 18 | 1 | 2 | 2 |
| 19 | 1 | 2 | 2 |
| 20 | 1 | 2 | 2 |
| 21 | 1 | 1 | 2 |
| 22 | 1 | 1 | 2 |
| 23 | 1 | 1 | 2 |
| 24 | 1 | 1 | 2 |
| 25 | 3 | 2 | 2 |
| 26 | 1 | 1 | 2 |
| 27 | 1 | 1 | 1 |
| 28 | 1 | 1 | 1 |
| 29 | 1 | 1 | 1 |
| 30 | 1 | 1 | 1 |

| | Strongly Agree | Agree | Disagree |
|--|----------------|-------|----------|
| 1) Increased motivation might increase a project team performance. | 1 | 2 | 3 |
| 2) Project team performance depends on the open communication with a project team leader. | 1 | 2 | 3 |
| 3) Performance review might increase a chance of better results for the next project and increase an overall performance of each employee. | 1 | 2 | 3 |

| Cronbach's alpha | Internal consistency |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionable |
| $0.6 > \alpha \geq 0.5$ | Poor |
| $0.5 > \alpha$ | Unacceptable |

| | |
|-------------------|---|
| Strongly disagree | |
| | 4 |
| | 4 |
| | 4 |

Anova: Two-Factor Without Replication

| <i>SUMMARY</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|----------------|--------------|------------|----------------|-----------------|
| Row 1 | 3 | 5 | 1.666666667 | 0.333333333 |
| Row 2 | 3 | 4 | 1.333333333 | 0.333333333 |
| Row 3 | 3 | 3 | 1 | 0 |
| Row 4 | 3 | 6 | 2 | 0 |
| Row 5 | 3 | 6 | 2 | 0 |
| Row 6 | 3 | 6 | 2 | 0 |
| Row 7 | 3 | 6 | 2 | 0 |
| Row 8 | 3 | 6 | 2 | 0 |
| Row 9 | 3 | 6 | 2 | 0 |
| Row 10 | 3 | 6 | 2 | 0 |
| Row 11 | 3 | 6 | 2 | 0 |
| Row 12 | 3 | 6 | 2 | 0 |
| Row 13 | 3 | 6 | 2 | 0 |
| Row 14 | 3 | 6 | 2 | 0 |
| Row 15 | 3 | 6 | 2 | 0 |
| Row 16 | 3 | 5 | 1.666666667 | 0.333333333 |
| Row 17 | 3 | 5 | 1.666666667 | 0.333333333 |
| Row 18 | 3 | 5 | 1.666666667 | 0.333333333 |
| Row 19 | 3 | 5 | 1.666666667 | 0.333333333 |
| Row 20 | 3 | 5 | 1.666666667 | 0.333333333 |
| Row 21 | 3 | 4 | 1.333333333 | 0.333333333 |
| Row 22 | 3 | 4 | 1.333333333 | 0.333333333 |
| Row 23 | 3 | 4 | 1.333333333 | 0.333333333 |
| Row 24 | 3 | 4 | 1.333333333 | 0.333333333 |
| Row 25 | 3 | 7 | 2.333333333 | 0.333333333 |
| Row 26 | 3 | 4 | 1.333333333 | 0.333333333 |
| Row 27 | 3 | 3 | 1 | 0 |
| Row 28 | 3 | 3 | 1 | 0 |
| Row 29 | 3 | 3 | 1 | 0 |
| Row 30 | 3 | 3 | 1 | 0 |
| Column 1 | 30 | 45 | 1.5 | 0.327586207 |
| Column 2 | 30 | 48 | 1.6 | 0.248275862 |
| Column 3 | 30 | 55 | 1.833333333 | 0.143678161 |

ANOVA

| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> |
|----------------------------|-------------|-----------------|-------------|-------------|
| Rows | 13.95555556 | 29 | 0.481226054 | 4.038585209 |
| Columns | 1.755555556 | 2 | 0.877777778 | 7.366559486 |
| Error | 6.911111111 | 58 | 0.119157088 | |
| Total | 22.62222222 | 89 | | |
| | | Cronbach's Test | 0.752388535 | |

| <i>P-value</i> | <i>F crit</i> |
|----------------|---------------|
| 3.04408E-06 | 1.662900781 |
| 0.001409865 | 3.155931971 |
| | |
| | |

| Cronbach's alpha | Internal cor |
|-------------------------|---------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionab |
| $0.6 > \alpha \geq 0.5$ | Poor |
| $0.5 > \alpha$ | Unacceptat |

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Anova: Two-Factor Without Replication

| <i>SUMMARY</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|----------------|--------------|------------|----------------|-----------------|
| Row 1 | 4 | 8 | 2 | 0.666666667 |
| Row 2 | 4 | 8 | 2 | 0.666666667 |
| Row 3 | 4 | 8 | 2 | 0.666666667 |
| Row 4 | 4 | 9 | 2.25 | 0.25 |
| Row 5 | 4 | 9 | 2.25 | 0.25 |
| Row 6 | 4 | 9 | 2.25 | 0.25 |
| Row 7 | 4 | 9 | 2.25 | 0.25 |
| Row 8 | 4 | 9 | 2.25 | 0.25 |
| Row 9 | 4 | 9 | 2.25 | 0.25 |
| Row 10 | 4 | 9 | 2.25 | 0.25 |
| Row 11 | 4 | 9 | 2.25 | 0.25 |
| Row 12 | 4 | 9 | 2.25 | 0.25 |
| Row 13 | 4 | 9 | 2.25 | 0.25 |
| Row 14 | 4 | 9 | 2.25 | 0.25 |
| Row 15 | 4 | 9 | 2.25 | 0.25 |
| Row 16 | 4 | 9 | 2.25 | 0.25 |
| Row 17 | 4 | 9 | 2.25 | 0.25 |
| Row 18 | 4 | 9 | 2.25 | 0.25 |
| Row 19 | 4 | 9 | 2.25 | 0.25 |
| Row 20 | 4 | 9 | 2.25 | 0.25 |
| Row 21 | 4 | 8 | 2 | 0.666666667 |
| Row 22 | 4 | 7 | 1.75 | 0.25 |
| Row 23 | 4 | 7 | 1.75 | 0.25 |
| Row 24 | 4 | 7 | 1.75 | 0.25 |
| Row 25 | 4 | 8 | 2 | 0 |
| Row 26 | 4 | 7 | 1.75 | 0.25 |
| Row 27 | 4 | 6 | 1.5 | 0.333333333 |
| Row 28 | 4 | 4 | 1 | 0 |
| Row 29 | 4 | 5 | 1.25 | 0.25 |
| Row 30 | 4 | 7 | 1.75 | 0.25 |
| Row 31 | 4 | 5 | 1.25 | 0.25 |
| Row 32 | 4 | 5 | 1.25 | 0.25 |
| Row 33 | 4 | 5 | 1.25 | 0.25 |
| Column 1 | 33 | 54 | 1.636363636 | 0.238636364 |
| Column 2 | 33 | 59 | 1.787878788 | 0.172348485 |
| Column 3 | 33 | 85 | 2.575757576 | 0.376893939 |
| Column 4 | 33 | 60 | 1.818181818 | 0.153409091 |

ANOVA

| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> |
|----------------------------|-------------|-----------------|-------------|-------------|
| Rows | 19.22727273 | 32 | 0.600852273 | 5.294853964 |
| Columns | 17.60606061 | 3 | 5.868686869 | 51.7162726 |
| Error | 10.89393939 | 96 | 0.113478535 | |
| Total | 47.72727273 | 131 | | |
| | | Cronbach's Test | 0.811137379 | |

| Cronbach's alpha | Internal consistency |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionable |
| $0.6 > \alpha \geq 0.5$ | Poor |
| $0.5 > \alpha$ | Unacceptable |

| <i>P-value</i> | <i>F crit</i> |
|----------------|---------------|
| 1.10327E-10 | 1.564048497 |
| 5.58336E-20 | 2.699392598 |
| | |
| | |

| Project Time Management | | | | |
|-------------------------|----|----|----|----|
| N-33 | Q1 | Q2 | Q3 | Q4 |
| 1 | 1 | 2 | 3 | 2 |
| 2 | 1 | 2 | 3 | 2 |
| 3 | 1 | 2 | 3 | 2 |
| 4 | 2 | 2 | 3 | 2 |
| 5 | 2 | 2 | 3 | 2 |
| 6 | 2 | 2 | 3 | 2 |
| 7 | 2 | 2 | 3 | 2 |
| 8 | 2 | 2 | 3 | 2 |
| 9 | 2 | 2 | 3 | 2 |
| 10 | 2 | 2 | 3 | 2 |
| 11 | 2 | 2 | 3 | 2 |
| 12 | 2 | 2 | 3 | 2 |
| 13 | 2 | 2 | 3 | 2 |
| 14 | 2 | 2 | 3 | 2 |
| 15 | 2 | 2 | 3 | 2 |
| 16 | 2 | 2 | 3 | 2 |
| 17 | 2 | 2 | 3 | 2 |
| 18 | 2 | 2 | 3 | 2 |
| 19 | 2 | 2 | 3 | 2 |
| 20 | 2 | 2 | 3 | 2 |
| 21 | 1 | 2 | 3 | 2 |
| 22 | 1 | 2 | 2 | 2 |
| 23 | 1 | 2 | 2 | 2 |
| 24 | 1 | 2 | 2 | 2 |
| 25 | 2 | 2 | 2 | 2 |
| 26 | 2 | 2 | 2 | 1 |
| 27 | 1 | 1 | 2 | 2 |
| 28 | 1 | 1 | 1 | 1 |
| 29 | 1 | 1 | 2 | 1 |
| 30 | 2 | 1 | 2 | 2 |
| 31 | 1 | 1 | 2 | 1 |
| 32 | 1 | 1 | 2 | 1 |
| 33 | 2 | 1 | 1 | 1 |

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| |
| 1) Experts' opinion is very important for the team performance, it might positively impact the outcome of the project. |
| 2) Gantt diagram is very effective tool to allocate every team member's time properly. |
| 3) Critical path method helps to save time and cut costs. |
| 4) Group decision process usually might prolong the final decision hence project time management. |

| Strongly Agree | Agree | Disagree | Strongly disagree |
|----------------|-------|----------|-------------------|
| 1 | 2 | 3 | 4 |
| 1 | 2 | 3 | 4 |
| 1 | 2 | 3 | 4 |
| 1 | 2 | 3 | 4 |

Anova: Two-Factor Without Replication

| <i>SUMMARY</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|----------------|--------------|------------|----------------|-----------------|
| Row 1 | 2 | 2 | 1 | 0 |
| Row 2 | 2 | 2 | 1 | 0 |
| Row 3 | 2 | 2 | 1 | 0 |
| Row 4 | 2 | 2 | 1 | 0 |
| Row 5 | 2 | 2 | 1 | 0 |
| Row 6 | 2 | 2 | 1 | 0 |
| Row 7 | 2 | 2 | 1 | 0 |
| Row 8 | 2 | 2 | 1 | 0 |
| Row 9 | 2 | 2 | 1 | 0 |
| Row 10 | 2 | 2 | 1 | 0 |
| Row 11 | 2 | 2 | 1 | 0 |
| Row 12 | 2 | 3 | 1.5 | 0.5 |
| Row 13 | 2 | 2 | 1 | 0 |
| Row 14 | 2 | 2 | 1 | 0 |
| Row 15 | 2 | 2 | 1 | 0 |
| Row 16 | 2 | 2 | 1 | 0 |
| Row 17 | 2 | 2 | 1 | 0 |
| Row 18 | 2 | 2 | 1 | 0 |
| Row 19 | 2 | 2 | 1 | 0 |
| Row 20 | 2 | 4 | 2 | 0 |
| Row 21 | 2 | 2 | 1 | 0 |
| Row 22 | 2 | 2 | 1 | 0 |
| Row 23 | 2 | 2 | 1 | 0 |
| Row 24 | 2 | 2 | 1 | 0 |
| Row 25 | 2 | 2 | 1 | 0 |
| Column 1 | 25 | 26 | 1.04 | 0.04 |
| Column 2 | 25 | 27 | 1.08 | 0.076667 |

ANOVA

| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> | <i>P-value</i> |
|----------------------------|-----------|-----------------|-----------|----------|----------------|
| Rows | 2.32 | 24 | 0.096667 | 4.833333 | 0.000133 |
| Columns | 0.02 | 1 | 0.02 | 1 | 0.327287 |
| Error | 0.48 | 24 | 0.02 | | |
| Total | 2.82 | 49 | | | |
| | | Cronbach's Test | 0.793103 | | |

| Cronbach's alpha | Internal consistency |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionable |
| $0.6 > \alpha \geq 0.5$ | Poor |
| $0.5 > \alpha$ | Unacceptable |

| |
|---------------|
| <i>F crit</i> |
| 1.98376 |
| 4.259677 |
| |
| |

Quality project Management

| N-25 | Q1 | Q2 |
|------|----|----|
| 1 | 1 | 1 |
| 2 | 1 | 1 |
| 3 | 1 | 1 |
| 4 | 1 | 1 |
| 5 | 1 | 1 |
| 6 | 1 | 1 |
| 7 | 1 | 1 |
| 8 | 1 | 1 |
| 9 | 1 | 1 |
| 10 | 1 | 1 |
| 11 | 1 | 1 |
| 12 | 1 | 2 |
| 13 | 1 | 1 |
| 14 | 1 | 1 |
| 15 | 1 | 1 |
| 16 | 1 | 1 |
| 17 | 1 | 1 |
| 18 | 1 | 1 |
| 19 | 1 | 1 |
| 20 | 2 | 2 |
| 21 | 1 | 1 |
| 22 | 1 | 1 |
| 23 | 1 | 1 |
| 24 | 1 | 1 |
| 25 | 1 | 1 |

| Quality | Strongly Agree | Agree | Disagree | Strongly disagree |
|---|----------------|-------|----------|-------------------|
| 1) Cost benefit analysis might affect an overall quality of project. | 1 | 2 | 3 | 4 |
| 2) Inspections and audits might reveal the areas where the quality might be improved. | 1 | 2 | 3 | 4 |

Anova: Two-Factor Without Replication

| <i>SUMMARY</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|----------------|--------------|------------|----------------|-----------------|
| Row 1 | 4 | 7 | 1.75 | 0.25 |
| Row 2 | 4 | 10 | 2.5 | 0.333333 |
| Row 3 | 4 | 7 | 1.75 | 0.25 |
| Row 4 | 4 | 7 | 1.75 | 0.25 |
| Row 5 | 4 | 7 | 1.75 | 0.25 |
| Row 6 | 4 | 7 | 1.75 | 0.25 |
| Row 7 | 4 | 8 | 2 | 0 |
| Row 8 | 4 | 8 | 2 | 0.666667 |
| Row 9 | 4 | 8 | 2 | 0 |
| Row 10 | 4 | 5 | 1.25 | 0.25 |
| Column 1 | 10 | 20 | 2 | 0.222222 |
| Column 2 | 10 | 16 | 1.6 | 0.488889 |
| Column 3 | 10 | 17 | 1.7 | 0.233333 |
| Column 4 | 10 | 21 | 2.1 | 0.1 |

ANOVA

| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> | <i>P-value</i> |
|----------------------------|-----------|-----------------|-----------|----------|----------------|
| Rows | 3.6 | 9 | 0.4 | 1.862069 | 0.102276 |
| Columns | 1.7 | 3 | 0.566667 | 2.637931 | 0.069884 |
| Error | 5.8 | 27 | 0.214815 | | |
| Total | 11.1 | 39 | | | |
| | | Cronbach's Test | 0.462963 | | |

| Cronbach's alpha | Internal consistency |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionable |
| $0.6 > \alpha \geq 0.5$ | Poor |
| $0.5 > \alpha$ | Unacceptable |

| |
|---------------|
| <i>F crit</i> |
| 2.250131 |
| 2.960351 |
| |
| |

N-10

HR Management

| | q1 | q2 | q3 | q4 | |
|----|----|----|----|----|--|
| 1 | 2 | 1 | 2 | 2 | |
| 2 | 2 | 3 | 2 | 3 | |
| 3 | 2 | 2 | 1 | 2 | |
| 4 | 2 | 1 | 2 | 2 | |
| 5 | 2 | 1 | 2 | 2 | |
| 6 | 2 | 1 | 2 | 2 | |
| 7 | 2 | 2 | 2 | 2 | |
| 8 | 3 | 2 | 1 | 2 | |
| 9 | 2 | 2 | 2 | 2 | |
| 10 | 1 | 1 | 1 | 2 | |

| |
|---|
| |
| HR Management |
| 1) Trainings of employees increases their efficiency within a project and saves time. |
| 2) Recognition is very important factor that influences an overall performance of a team. |
| 3) Negotiation skills are relevant skills to have for an HR Manager |
| 4) Team building activities can bound team members together |

| Strongly Agree | Agree | Disagree | Strongly disagree |
|----------------|-------|----------|-------------------|
| 1 | 2 | 3 | 4 |
| 1 | 2 | 3 | 4 |
| 1 | 2 | 3 | 4 |
| 1 | 2 | 3 | 4 |

N-14 Risk Management Project

| | Q1 | Q2 | Q3 | |
|----|----|----|----|---|
| 1 | 1 | 1 | 1 | 3 |
| 2 | | 1 | 1 | 3 |
| 3 | | 1 | 1 | 3 |
| 4 | | 1 | 1 | 3 |
| 5 | | 1 | 1 | 3 |
| 6 | | 1 | 2 | 3 |
| 7 | | 1 | 1 | 3 |
| 8 | | 1 | 1 | 3 |
| 9 | | 1 | 1 | 3 |
| 10 | | 1 | 1 | 3 |
| 11 | | 2 | 2 | 3 |
| 12 | | 2 | 2 | 3 |
| 13 | | 1 | 1 | 3 |
| 14 | | 1 | 1 | 3 |

| | Strongly Agree |
|--|----------------|
| 1) Experts' opinions help to reconsider company's direction and avoid risks. | 1 |
| 2) Modelling techniques help to avoid risk without any costs. | 1 |
| 3) What if scenario is vital for board management. | 1 |

| Agree | Disagree | Strongly disagree |
|-------|----------|-------------------|
| 2 | 3 | 4 |
| 2 | 3 | 4 |
| 2 | 3 | 4 |

Anova: Two-Factor Without Replication

| <i>SUMMARY</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|----------------|--------------|------------|----------------|-----------------|
| Row 1 | 3 | 5 | 1.666667 | 1.333333 |
| Row 2 | 3 | 5 | 1.666667 | 1.333333 |
| Row 3 | 3 | 5 | 1.666667 | 1.333333 |
| Row 4 | 3 | 5 | 1.666667 | 1.333333 |
| Row 5 | 3 | 5 | 1.666667 | 1.333333 |
| Row 6 | 3 | 6 | 2 | 1 |
| Row 7 | 3 | 5 | 1.666667 | 1.333333 |
| Row 8 | 3 | 5 | 1.666667 | 1.333333 |
| Row 9 | 3 | 5 | 1.666667 | 1.333333 |
| Row 10 | 3 | 5 | 1.666667 | 1.333333 |
| Row 11 | 3 | 7 | 2.333333 | 0.333333 |
| Row 12 | 3 | 7 | 2.333333 | 0.333333 |
| Row 13 | 3 | 5 | 1.666667 | 1.333333 |
| Column 1 | 13 | 15 | 1.153846 | 0.141026 |
| Column 2 | 13 | 16 | 1.230769 | 0.192308 |
| Column 3 | 13 | 39 | 3 | 0 |

ANOVA

| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> | <i>P-value</i> |
|----------------------------|-----------|-----------------|-----------|----------|----------------|
| Rows | 2.358974 | 12 | 0.196581 | 2.875 | 0.013335 |
| Columns | 28.35897 | 2 | 14.17949 | 207.375 | 7.18E-16 |
| Error | 1.641026 | 24 | 0.068376 | | |
| Total | 32.35897 | 38 | | | |
| | | Cronbach's Test | 0.652174 | | |
| | | | 0.652174 | | |

| Cronbach's alpha | Internal consistency |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionable |
| $0.6 > \alpha \geq 0.5$ | Poor |
| $0.5 > \alpha$ | Unacceptable |

| |
|---------------|
| <i>F crit</i> |
| 2.18338 |
| 3.402826 |
| |
| |

Anova: Two-Factor Without Replication

| <i>SUMMARY</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|----------------|--------------|------------|----------------|-----------------|
| Row 1 | 2 | 3 | 1.5 | 0.5 |
| Row 2 | 2 | 3 | 1.5 | 0.5 |
| Row 3 | 2 | 3 | 1.5 | 0.5 |
| Row 4 | 2 | 3 | 1.5 | 0.5 |
| Row 5 | 2 | 3 | 1.5 | 0.5 |
| Row 6 | 2 | 5 | 2.5 | 0.5 |
| Row 7 | 2 | 3 | 1.5 | 0.5 |
| Row 8 | 2 | 3 | 1.5 | 0.5 |
| Row 9 | 2 | 3 | 1.5 | 0.5 |
| Row 10 | 2 | 3 | 1.5 | 0.5 |
| Row 11 | 2 | 4 | 2 | 0 |
| Row 12 | 2 | 3 | 1.5 | 0.5 |
| Row 13 | 2 | 3 | 1.5 | 0.5 |
| Row 14 | 2 | 3 | 1.5 | 0.5 |
| Row 15 | 2 | 4 | 2 | 0 |
| Row 16 | 2 | 3 | 1.5 | 0.5 |
| Row 17 | 2 | 3 | 1.5 | 0.5 |
| Row 18 | 2 | 3 | 1.5 | 0.5 |
| Row 19 | 2 | 3 | 1.5 | 0.5 |
| Row 20 | 2 | 3 | 1.5 | 0.5 |
| Row 21 | 2 | 3 | 1.5 | 0.5 |
| Row 22 | 2 | 3 | 1.5 | 0.5 |
| Row 23 | 2 | 5 | 2.5 | 0.5 |
| Row 24 | 2 | 3 | 1.5 | 0.5 |
| Row 25 | 2 | 3 | 1.5 | 0.5 |
| Row 26 | 2 | 3 | 1.5 | 0.5 |
| Row 27 | 2 | 3 | 1.5 | 0.5 |
| Row 28 | 2 | 3 | 1.5 | 0.5 |
| Row 29 | 2 | 3 | 1.5 | 0.5 |
| Row 30 | 2 | 3 | 1.5 | 0.5 |
| Row 31 | 2 | 6 | 3 | 0 |
| Row 32 | 2 | 3 | 1.5 | 0.5 |
| Row 33 | 2 | 3 | 1.5 | 0.5 |
| Row 34 | 2 | 3 | 1.5 | 0.5 |
| Row 35 | 2 | 3 | 1.5 | 0.5 |
| Row 36 | 2 | 3 | 1.5 | 0.5 |
| Row 37 | 2 | 3 | 1.5 | 0.5 |
| Row 38 | 2 | 3 | 1.5 | 0.5 |
| Row 39 | 2 | 6 | 3 | 0 |
| Row 40 | 2 | 3 | 1.5 | 0.5 |
| Row 41 | 2 | 3 | 1.5 | 0.5 |
| Row 42 | 2 | 3 | 1.5 | 0.5 |
| Row 43 | 2 | 3 | 1.5 | 0.5 |
| Row 44 | 2 | 5 | 2.5 | 4.5 |
| Column 1 | 44 | 52 | 1.181818 | 0.245243 |
| Column 2 | 44 | 94 | 2.136364 | 0.167019 |

| ANOVA | | | | | |
|----------------------------|-----------|-----------------|-----------|----------|----------------|
| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> | <i>P-value</i> |
| Rows | 13.77273 | 43 | 0.320296 | 3.482759 | 3.96E-05 |
| Columns | 20.04545 | 1 | 20.04545 | 217.9655 | 1.92E-18 |
| Error | 3.954545 | 43 | 0.091966 | | |
| Total | 37.77273 | 87 | | | |
| | | Cronbach's Test | 0.712871 | | |

| Cronbach's alpha | Internal consistency |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionable |

| | |
|---------------|--|
| | |
| <i>F crit</i> | |
| 1.660744 | |
| 4.067047 | |
| | |
| | |

| | |
|----------------|--------------|
| $0.5 > \alpha$ | Unacceptable |
|----------------|--------------|

N-44 Procurement Project Management

| | Q1 | Q2 | |
|----|----|----|---|
| 1 | 1 | | 2 |
| 2 | 1 | | 2 |
| 3 | 1 | | 2 |
| 4 | 1 | | 2 |
| 5 | 1 | | 2 |
| 6 | 2 | | 3 |
| 7 | 1 | | 2 |
| 8 | 1 | | 2 |
| 9 | 1 | | 2 |
| 10 | 1 | | 2 |
| 11 | 2 | | 2 |
| 12 | 1 | | 2 |
| 13 | 1 | | 2 |
| 14 | 1 | | 2 |
| 15 | 2 | | 2 |
| 16 | 1 | | 2 |
| 17 | 1 | | 2 |
| 18 | 1 | | 2 |
| 19 | 1 | | 2 |
| 20 | 1 | | 2 |
| 21 | 1 | | 2 |
| 22 | 1 | | 2 |
| 23 | 2 | | 3 |
| 24 | 1 | | 2 |
| 25 | 1 | | 2 |
| 26 | 1 | | 2 |
| 27 | 1 | | 2 |
| 28 | 1 | | 2 |
| 29 | 1 | | 2 |
| 30 | 1 | | 2 |
| 31 | 3 | | 3 |
| 32 | 1 | | 2 |
| 33 | 1 | | 2 |
| 34 | 1 | | 2 |
| 35 | 1 | | 2 |
| 36 | 1 | | 2 |
| 37 | 1 | | 2 |
| 38 | 1 | | 2 |
| 39 | 3 | | 3 |
| 40 | 1 | | 2 |
| 41 | 1 | | 2 |
| 42 | 1 | | 2 |
| 43 | 1 | | 2 |
| 44 | 1 | | 4 |

| | Strongly Agree | Agree | Disagree | Strongly disagree |
|---|----------------|-------|----------|-------------------|
| 1) Market search is vital to save costs and find cheaper vendors. | 1 | 2 | 3 | 4 |
| 2) Contract change control helps to save money. | 1 | 2 | 3 | 4 |

Anova: Two-Factor Without Replication

| <i>SUMMARY</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|----------------|--------------|------------|----------------|-----------------|
| Row 1 | 3 | 3 | 1 | 0 |
| Row 2 | 3 | 3 | 1 | 0 |
| Row 3 | 3 | 4 | 1.333333333 | 0.333333 |
| Row 4 | 3 | 4 | 1.333333333 | 0.333333 |
| Row 5 | 3 | 3 | 1 | 0 |
| Row 6 | 3 | 4 | 1.333333333 | 0.333333 |
| Row 7 | 3 | 6 | 2 | 0 |
| Row 8 | 3 | 6 | 2 | 0 |
| Row 9 | 3 | 4 | 1.333333333 | 0.333333 |
| Row 10 | 3 | 4 | 1.333333333 | 0.333333 |
| Column 1 | 10 | 13 | 1.3 | 0.233333 |
| Column 2 | 10 | 12 | 1.2 | 0.177778 |
| Column 3 | 10 | 16 | 1.6 | 0.266667 |

ANOVA

| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> |
|----------------------------|-----------|-----------------|-------------|----------|
| Rows | 3.633333 | 9 | 0.403703704 | 2.945946 |
| Columns | 0.866667 | 2 | 0.433333333 | 3.162162 |
| Error | 2.466667 | 18 | 0.137037037 | |
| Total | 6.966667 | 29 | | |
| | | Cronbach's Test | 0.660550459 | |

| Cronbach's alpha | Internal consistency |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$ | Excellent |
| $0.9 > \alpha \geq 0.8$ | Good |
| $0.8 > \alpha \geq 0.7$ | Acceptable |
| $0.7 > \alpha \geq 0.6$ | Questionable |
| $0.6 > \alpha \geq 0.5$ | Poor |
| $0.5 > \alpha$ | Unacceptable |

| <i>P-value</i> | <i>F crit</i> |
|----------------|---------------|
| 0.024407 | 2.456281 |
| 0.06654 | 3.554557 |
| | |
| | |

N10 Stakeholder Management

| | Q1 | Q2 | Q3 |
|----|----|----|----|
| 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 |
| 3 | 1 | 1 | 2 |
| 4 | 1 | 1 | 2 |
| 5 | 1 | 1 | 1 |
| 6 | 2 | 1 | 1 |
| 7 | 2 | 2 | 2 |
| 8 | 2 | 2 | 2 |
| 9 | 1 | 1 | 2 |
| 10 | 1 | 1 | 2 |

| | Strongly Agree | Agree | Disagree | Strongly disagree |
|--|----------------|-------|----------|-------------------|
| 1) Only board management deals with the stakeholders | 1 | 2 | 3 | 4 |
| 2) Analytical techniques help the board management to understand the direction of the market | 1 | 2 | 3 | 4 |
| 3) Expert judgment might help the board management to negotiate the criteria of contracts. | 1 | 2 | 3 | 4 |