Table 3.1

Summary of Reliability Analysis

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

No. Domain Alpha value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Perceptions toward computer technology 0.85

2. Changes in the accessibility of information 0.84

3. Changes in decision-making quality 0.84

**Overall/Perceptions 0.84**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Table 3.2

Response Rate and Percentages

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distributed Returned Unreturned Valid

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Number of questionnaires300 268 32 253

Percentage100.00 89.33 10.67 84.33

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Table 4.1: Percentage and Frequency for Demographic Information

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Variable Frequency Percentage

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Gender Male 177 70.0

Female 76 30.0

Total 253 100.0

Age Less than 30 years 66 26.1

31-40 year 69 27.3

41-50 year 87 34.4

More than 50 year 31 12.3

Do you have a computer at home? Yes 228 90.1

No 25 9.9

What is your current level of computer skills Excellent 62 24.5

and knowledge? Good 118 46.6

Average 47 18.6

Fair 19 7.5

Poor 7 2.8

Level of education High school or less 18 7.1

Some college courses 5 2.0

Associate degree 30 11.9

Bachelor degree 112 44.3

Graduate degree 88 34.8

Country of last degree earned Jordan 101 37.7

USA 51 19.0

UK 19 7.1

Iraq 18 6.7

Russia 10 3.7

Other 31 11.6

Missing 38 14.2

Total 230 100.0

Length of time in this position Less than 1 year 40 15.8

From 1-5 years 81 32.0

From 6-10 years 34 13.4

More than 10 years 98 38.7

Computer Technology Use: Personally, how Very seldom 20 7.9

often do you use the computer to retrieve Occasionally 64 25.3

computer-based files? Quite often 36 14.2

Very Often 44 17.4

Constantly 89 35.2

Personally, how often do you ask others, Very seldom 31 12.3

either by phone or in person, to provide Occasionally 67 26.5

you with information that is computer-based? Quite often 43 17.0

Very Often 58 22.9

Constantly 54 21.3

Technology Training: Courses at college or 121 47.8

Please indicate, all relevant statements that university

best describe the training level you have In-house organization 11 4.3

had in the use of computer technology courses

in general. Through self-study 78 30.8

Through a colleague at work 10 4.0

Through vendors/consultants 19 7.5

None 14 5.6

Computer Technology Experience:

How much experience have you had None 31 12.3

using computer? One year or less 48 19.0

1 to 5 years 89 35.2

More than 5 years 85 33.6

Table 4.2: Standard Deviation, Mean, and Rank for Each Item of Perceptions Toward Computer Technology Domain

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

No. Item Mean Std. Deviation Rank

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. I feel that using computer technology could provide me with

information that would lead to a better decision. 4.07 0.86 4

2. I feel that using computer technology allows me to be more

innovative by providing opportunities for creative analysis output. 3.88 0.96 6

3. \*I feel that using computer technology can take up too much

of my time performing many tasks. 3.47 1.08 7

4. \*I feel that using computer technology would involve too

much time doing mechanical operations (e.g. programming,

input data) to allow sufficient time for managerial analysis. 2.94 1.11 10

5. I feel that using computer technology improves my

productivity on the job. 4.26 0.81 3

6. I feel that using computer technology gives me the

opportunity to enhance my managerial image. 3.95 0.95 5

7. I feel that using computer technology allows me to access,

store, and retrieve information easily and without difficulties. 4.48 0.77 1

8. \*I feel that using computer technology exposes me to

vulnerability of computer breakdown and loss of data. 2.96 1.08 9

9. I feel that using computer technology allows me to be more

independent of secretaries. 3.04 1.11 8

10. I feel that computers are critical organization resources. 4.28 0.80 2

Overall Mean/ Perceptions Toward Computer Technology 3.73 0.47

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: \* Negative Items Reversed.

Table 4.3: Standard Deviation, Mean and Rank for Each Item of Changes in the Accessibility of Information Domain

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

No. Item Mean Std. Deviation Rank

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. I feel that computer technology has made it easier for me to get the

information I need. 4.47 0.63 1

2. I feel that computer technology has provided the precise information I need. 4.14 0.82 4

3. I feel that computer technology has provided sufficient information 4.14 0.81 5

4. I feel that computer technology has provided reports that seem to be

just about exactly what I need. 3.99 0.88 7

5. I feel that computer technology has provided up-to date information

than that available in manual files 4.24 0.87 2

6. I feel that computer technology has provided me with the information

I need in time 4.14 0.75 6

7. I feel that computer technology has made new information available

to me which was not previously available. 4.21 0.77 3

8. Overall Mean/Changes in the Accessibility and Quality of Information4.19 0.64

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Table 4.4: Standard Deviation, Mean and Rank for Each Item of Changes in Decision-Making Quality Domain

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

No. Item Mean Std. Deviation Rank

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. I feel that the use of computer technology has enabled me to make

better decisions. 3.75 0.83 5

2. As a result of the use of computer technology, feel that I am better

able to set my priorities in decision making. 3.68 0.91 6

3. I feel that the use of computer technology has improved the quality

of decisions I make in this organizations. 3.77 0.80 4

4. As a result of the use of computer technology, I feel that the speed at

which I analyze decisions has increased. 3.86 0.83 1

5. As a result of the use of computer technology, I feel that more

relevant information has been available to me for decision making. 3.84 0.81 2

6. I feel that computer technology has led me to greater use of analytical

aids in my decision making. 3.81 0.83 3

Overall Mean/Changes in Decision-Making Quality3.78 0.70

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Table 4.5: The Result of Correlation Coefficient Between Decision-Makers’ Perceptions Toward the Use of Computer Technology in Organizations and Their Perceptions of Independent Variables

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Variable Perceptions Accessibility Decision Training

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Perceptions 1.00

Accessibility .52\*\* 1.00

Decision .52\*\* .69\*\* 1.00

Training .16\* .16\*\* .16\*\* 1.00

Gender -.053 -.051 -.115 -.19\*\*

Age .065 .035 .15\* .28\*\*

Own/home -.023 -.19\*\* -.097 -.009

Knowledge -.011 -.13\* -.18\*\* -.35\*\*

Education .057 .13\* .13\* .20\*\*

Country .045 -.009 .081 .14\*

Length in position .077 .060 .15\* .26\*\*

Experience -.013 -.056 .003 .028

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note. \*\* Correlation is significant at the 0.01 level.

\*. Correlation is significant at the 0.05 level.

Table 4.6: Regression Analysis Between Decision-Makers’ Perceptions Toward the Use of Computer and The Perceptions of the Variables

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Variable Unstandardized (b) Standardized (b) t *p*

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Accessibility .15 .22 2.94 .004

Decision .12 .19 2.44 .015

Training .027 .061 1.19 .236

Table 4.7: The Relationship Between Perceptions and Independent Variables

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sources Sum of Squares DF Mean Square F Value R Square Adjusted R Square *p*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Model 18.285 6 3.048 23.628 .366 .350 0.00

Error 31.729 246 .129

Total 50.014 252

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.7. Overall Model of the Relationship Between Perceptions and Independent Variables**