```
CORRELATIONS
  /VARIABLES=b1 b2 b3 b4 b5 b6 b7 b8 b9 b10
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

# Correlations

**Notes**

| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 8 นาที |
|---|---|---|
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| | Cases Used | Statistics for each pair of variables are based on all the cases with valid data for that pair. |
| Syntax | | CORRELATIONS /VARIABLES=b1 b2 b3 b4 b5 b6 b7 b8 b9 b10 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE. |
| Resources | Processor Time | 00 00:00:00.031 |
| | Elapsed Time | 00 00:00:00.047 |

**Correlations**

| | | b1 | b2 | b3 | b4 | b5 | b6 | b7 | b8 | b9 | b10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| b1 | Pearson Correlation | 1 | .678 | .635 | .581 | .462 | .549 | .596 | .508 | .523 | .455 |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b2 | Pearson Correlation | .678 | 1 | .699 | .628 | .482 | .510 | .556 | .501 | .550 | .468 |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b3 | Pearson Correlation | .635 | .699 | 1 | .626 | .501 | .605 | .501 | .507 | .510 | .466 |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b4 | Pearson Correlation | .581 | .628 | .626 | 1 | .585 | .669 | .572 | .574 | .558 | .470 |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b5 | Pearson Correlation | .462 | .482 | .501 | .585 | 1 | .704 | .643 | .558 | .476 | .400 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b6 | Pearson Correlation | .549 | .510 | .605 | .669 | .704 | 1 | .679 | .627 | .525 | .503 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b7 | Pearson Correlation | .596 | .556 | .501 | .572 | .643 | .679 | 1 | .722 | .557 | .464 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b8 | Pearson Correlation | .508 | .501 | .507 | .574 | .558 | .627 | .722 | 1 | .571 | .547 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b9 | Pearson Correlation | .523 | .550 | .510 | .558 | .476 | .525 | .557 | .571 | 1 | .753 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| b10 | Pearson Correlation | .455 | .468 | .466 | .470 | .400 | .503 | .464 | .547 | .753 | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |

```
ORRELATIONS
  /VARIABLES=c1 c2 c3 c4 c5 c6 c7 c8 c9 c10
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

**Notes**

| | | |
|---|---|---|
| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 9 นาที |
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| | Cases Used | Statistics for each pair of variables are based on all the cases with valid data for that pair. |
| Syntax | | CORRELATIONS /VARIABLES=c1 c2 c3 c4 c5 c6 c7 c8 c9 c10 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE. |
| Resources | Processor Time | 00 00:00:00.000 |
| | Elapsed Time | 00 00:00:00.016 |

**Correlations**

| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 | c8 | c9 | c10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| c1 | Pearson Correlation | 1 | .689 | .627 | .505 | .524 | .415 | .522 | .480 | .504 | .489 |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c2 | Pearson Correlation | .689 | 1 | .734 | .595 | .581 | .516 | .574 | .563 | .595 | .565 |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c3 | Pearson Correlation | .627 | .734 | 1 | .627 | .582 | .557 | .578 | .516 | .608 | .609 |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c4 | Pearson Correlation | .505 | .595 | .627 | 1 | .629 | .536 | .544 | .421 | .507 | .977 |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c5 | Pearson Correlation | .524 | .581 | .582 | .629 | 1 | .685 | .566 | .492 | .521 | .606 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c6 | Pearson Correlation | .415 | .516 | .557 | .536 | .685 | 1 | .642 | .626 | .472 | .511 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c7 | Pearson Correlation | .522 | .574 | .578 | .544 | .566 | .642 | 1 | .673 | .611 | .522 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c8 | Pearson Correlation | .480 | .563 | .516 | .421 | .492 | .626 | .673 | 1 | .626 | .394 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c9 | Pearson Correlation | .504 | .595 | .608 | .507 | .521 | .472 | .611 | .626 | 1 | .482 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| c10 | Pearson Correlation | .489 | .565 | .609 | .977 | .606 | .511 | .522 | .394 | .482 | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |

```
CORRELATIONS
  /VARIABLES=d1 d2 d3 d4 d5 d6 d7 d8 d9 d10

  /PRINT=TWOTAIL NOSIG

  /MISSING=PAIRWISE.
```

# Correlations

**Notes**

| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 9 นาที |
|---|---|---|
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| | Cases Used | Statistics for each pair of variables are based on all the cases with valid data for that pair. |
| Syntax | | CORRELATIONS /VARIABLES=d1 d2 d3 d4 d5 d6 d7 d8 d9 d10 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE. |
| Resources | Processor Time | 00 00:00:00.015 |
| | Elapsed Time | 00 00:00:00.063 |

**Correlations**

|  |  | d1 | d2 | d3 | d4 | d5 | d6 | d7 | d8 | d9 | d10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| d1 | Pearson Correlation | 1 | .661 | .578 | .477 | .474 | .373 | .470 | .439 | .443 | .365 |
|  | Sig. (2-tailed) |  | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d2 | Pearson Correlation | .661 | 1 | .665 | .525 | .534 | .531 | .573 | .554 | .507 | .506 |
|  | Sig. (2-tailed) | .000 |  | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d3 | Pearson Correlation | .578 | .665 | 1 | .597 | .531 | .567 | .580 | .585 | .500 | .536 |
|  | Sig. (2-tailed) | .000 | .000 |  | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d4 | Pearson Correlation | .477 | .525 | .597 | 1 | .713 | .571 | .600 | .571 | .680 | .570 |
|  | Sig. (2-tailed) | .000 | .000 | .000 |  | .000 | .000 | .000 | .000 | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d5 | Pearson Correlation | .474 | .534 | .531 | .713 | 1 | .666 | .667 | .558 | .957 | .655 |
|  | Sig. (2-tailed) | .000 | .000 | .000 | .000 |  | .000 | .000 | .000 | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d6 | Pearson Correlation | .373 | .531 | .567 | .571 | .666 | 1 | .672 | .615 | .637 | .956 |
|  | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 |  | .000 | .000 | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d7 | Pearson Correlation | .470 | .573 | .580 | .600 | .667 | .672 | 1 | .708 | .636 | .633 |
|  | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 |  | .000 | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d8 | Pearson Correlation | .439 | .554 | .585 | .571 | .558 | .615 | .708 | 1 | .530 | .590 |
|  | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 |  | .000 | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d9 | Pearson Correlation | .443 | .507 | .500 | .680 | .957 | .637 | .636 | .530 | 1 | .648 |
|  | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |  | .000 |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| d10 | Pearson Correlation | .365 | .506 | .536 | .570 | .655 | .956 | .633 | .590 | .648 | 1 |
|  | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |  |
|  | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |

```
CORRELATIONS
 /VARIABLES=e1 e2 e3 e4 e5 e6 e7 e8 e9
              e10

      /PRINT=TWOTAIL NOSIG

      /MISSING=PAIRWISE.
```

# Correlations

## Notes

| | | |
|---|---|---|
| Output Created | 12-ต.ค.-2558, 23 นาฬิกา 10 นาที | |
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58 \วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| | Cases Used | Statistics for each pair of variables are based on all the cases with valid data for that pair. |
| Syntax | CORRELATIONS /VARIABLES=e1 e2 e3 e4 e5 e6 e7 e8 e9 e10 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE. | |
| Resources | Processor Time | 00 00:00:00.016 |
| | Elapsed Time | 00 00:00:00.062 |

**Correlations**

| | | e1 | e2 | e3 | e4 | e5 | e6 | e7 | e8 | e9 | e10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| e1 | Pearson Correlation | 1 | .764 | .720 | .521 | .598 | .610 | .545 | .599 | .570 | .569 |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e2 | Pearson Correlation | .764 | 1 | .740 | .553 | .635 | .663 | .554 | .649 | .576 | .571 |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e3 | Pearson Correlation | .720 | .740 | 1 | .576 | .625 | .621 | .559 | .614 | .632 | .574 |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e4 | Pearson Correlation | .521 | .553 | .576 | 1 | .677 | .619 | .613 | .605 | .598 | .542 |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e5 | Pearson Correlation | .598 | .635 | .625 | .677 | 1 | .713 | .904 | .695 | .692 | .618 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e6 | Pearson Correlation | .610 | .663 | .621 | .619 | .713 | 1 | .628 | .978 | .747 | .689 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e7 | Pearson Correlation | .545 | .554 | .559 | .613 | .904 | .628 | 1 | .676 | .599 | .543 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e8 | Pearson Correlation | .599 | .649 | .614 | .605 | .695 | .978 | .676 | 1 | .720 | .669 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e9 | Pearson Correlation | .570 | .576 | .632 | .598 | .692 | .747 | .599 | .720 | 1 | .738 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| e10 | Pearson Correlation | .569 | .571 | .574 | .542 | .618 | .689 | .543 | .669 | .738 | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |

```
CORRELATIONS
  /VARIABLES=a1 a2 a3 a4 a5 a6
a7 a8 a9 a10

  /PRINT=TWOTAIL NOSIG
```

# Correlations

**Notes**

| | | |
|---|---|---|
| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 9 นาที |
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\ วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| | Cases Used | /VARIABLES=a1 a2 a3 a4 a5 a6 a7 a8 a9 a10 |
| Syntax | | /PRINT=TWOTAIL NOSIG |
| | | 00 00:00:00.016 |
| Resources | Processor Time | 00 00:00:00.015 |
| | Elapsed Time | |

```
  /MISSING=PAIRWISE.
```

**Correlations**

| | | a1 | a2 | a3 | a4 | a5 | a6 | a7 | a8 | a9 | a10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| a1 | Pearson Correlation | 1 | .393 | .216 | .212 | .228 | .214 | .317 | .206 | .260 | |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a2 | Pearson Correlation | .393 | 1 | .196 | .153 | .355 | .206 | .294 | .271 | .245 | .185 |
| | Sig. (2-tailed) | .000 | | .000 | .006 | .000 | .000 | .000 | .000 | .000 | .001 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a3 | Pearson Correlation | .216 | .196 | 1 | .163 | .181 | .137 | .216 | .164 | .159 | .242 |
| | Sig. (2-tailed) | .000 | .000 | | .003 | .001 | .014 | .000 | .003 | .004 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a4 | Pearson Correlation | .212 | .153 | .163 | 1 | .266 | .382 | .177 | .423 | .242 | .248 |
| | Sig. (2-tailed) | .000 | .006 | .003 | | .000 | .000 | .002 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a5 | Pearson Correlation | .228 | .355 | .181 | .266 | 1 | .294 | .289 | .248 | .287 | .255 |
| | Sig. (2-tailed) | .000 | .000 | .001 | .000 | | .000 | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a6 | Pearson Correlation | .214 | .206 | .137 | .382 | .294 | 1 | .199 | .394 | .221 | .244 |
| | Sig. (2-tailed) | .000 | .000 | .014 | .000 | .000 | | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a7 | Pearson Correlation | .317 | .294 | .216 | .177 | .289 | .199 | 1 | .185 | .287 | .296 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .002 | .000 | .000 | | .001 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a8 | Pearson Correlation | .206 | .271 | .164 | .423 | .248 | .394 | .185 | 1 | .322 | .238 |
| | Sig. (2-tailed) | .000 | .000 | .003 | .000 | .000 | .000 | .001 | | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a9 | Pearson Correlation | .260 | .245 | .159 | .242 | .287 | .221 | .287 | .322 | 1 | .328 |
| | Sig. (2-tailed) | .000 | .000 | .004 | .000 | .000 | .000 | .000 | .000 | | .000 |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| a10 | Pearson Correlation | .298 | .185 | .242 | .248 | .255 | .244 | .296 | .238 | .328 | 1 |
| | Sig. (2-tailed) | .000 | .001 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| | N | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |

```
COMPUTE
b=MEAN(b1,b2,b3,b4,b5,b6,b7,b8,b9,b10).
EXECUTE.

EXECUTE.

EXECUTE.
COMPUTE
e=MEAN(e1,e2,e3,e4,e5,e6,e7,e8,e9,e10EXECUTE.


COMPUTE total=MEAN(a,b,c,d,e).
EXECUTE.

CORRELATIONS

  /VARIABLES=a b c d e

  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

## Correlations<sub>Notes</sub>

| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 15 นาที |
|---|---|---|
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\ วิเคราะห์ data\data.sa v |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| | Cases Used | Statistics for each pair of variables are based on all the cases with valid data for that pair. |

| | | | |
|---|---|---|---|
| Syntax | | CORRELATIONS /VARIABLES =a b c d e /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE. | |
| Resources | Processor Time | 00 00:00:00.016 | |
| | Elapsed Time | 00 00:00:00.032 | |

[DataSet1] H:\จัดรูปแบบ58\วิเคราะห์data\data.sav

**Correlations**

| | | A | B | C | d | e |
|---|---|---|---|---|---|---|
| A | Pearson Correlation | 1 | .382 | .467 | .455 | .489 |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 |
| B | Pearson Correlation | .382 | 1 | .667 | .626 | .633 |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 |
| C | Pearson Correlation | .467 | .667 | 1 | .722 | .757 |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 |
| | N | 319 | 319 | 319 | 319 | 319 |
| D | Pearson Correlation | .455 | .626 | .722 | 1 | .785 |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 |
| | N | 319 | 319 | 319 | 319 | 319 |
| E | Pearson Correlation | .489 | .633 | .757 | .785 | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | |
| | N | 319 | 319 | 319 | 319 | 319 |

```
DESCRIPTIVES VARIABLES=a b c d e
total
  /STATISTICS=MEAN STDDEV MIN MAX SEMEAN KURTOSIS
SKEWNESS.
```

# Descriptives

**Notes**

| | | |
|---|---|---|
| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 16 นาที |
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | User defined missing values are treated as missing. |
| | Cases Used | All non-missing data are used. |
| Syntax | | DESCRIPTIVES VARIABLES=a b c d e total /STATISTICS=MEAN STDDEV MIN MAX SEMEAN KURTOSIS SKEWNESS. |
| Resources | Processor Time | 00 00:00:00.000 |
| | Elapsed Time | 00 00:00:00.000 |

[DataSet1] H:\จัดรูปแบบ58\วิเคราะห์data\data.sav

**Descriptive Statistics**

| | N | Minimum | Maximum | Mean | Std. Deviation | Skewness | Kurtosis | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Statistic | Statistic | Statistic | Statistic | Std. Error | Statistic | Statistic | Std. Error | Statistic | Std. Error |
| a | 319 | 3.00 | 5.00 | 4.5624 | .01848 | .32999 | -1.475 | .137 | 3.003 | .272 |
| b | 319 | 3.00 | 5.00 | 4.2784 | .02638 | .47112 | -.217 | .137 | -.199 | .272 |
| c | 319 | 3.00 | 5.00 | 4.3000 | .02717 | .48525 | -.329 | .137 | -.204 | .272 |
| d | 319 | 3.00 | 5.00 | 4.2978 | .02777 | .49592 | -.339 | .137 | -.307 | .272 |
| e | 319 | 2.70 | 5.00 | 4.2865 | .02798 | .49972 | -.203 | .137 | -.205 | .272 |
| total | 319 | 3.12 | 5.00 | 4.3450 | .02136 | .38159 | -.257 | .137 | -.196 | .272 |
| Valid N (listwise) | 319 | | | | | | | | | |

```
DESCRIPTIVES VARIABLES=a1 a2 a3 a4 a5 a6 a7 a8 a9 a10 b1 b2 b3 b4 b5 b6
b7 b8 b9 b10
 c1 c2 c3 c4 c5 c6 c7 c8 c9 c10 d1 d2 d3 d4 d5 d6 d7 d8 d9 d10 e1 e2
e3 e4 e5 e6 e7 e8 e9 e10
 a b c d e
total
  /STATISTICS=MEAN SUM STDDEV MIN MAX SEMEAN KURTOSIS
SKEWNESS.
```

# Descriptives

**Descriptive Statistics**

| | N | Minimum | Maximum | Sum | Mean | Std. Deviation | | Skewness | | Kurtosis | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Statistic | Statistic | Statistic | Statistic | Statistic | Std. Error | Statistic | Statistic | Std. Error | Statistic | Std. Error |
| a1 | 319 | 1 | 5 | 1489 | 4.67 | .030 | .540 | -1.844 | .137 | 6.030 | .272 |
| a2 | 319 | 3 | 5 | 1500 | 4.70 | .029 | .510 | -1.448 | .137 | 1.149 | .272 |
| a3 | 319 | 2 | 5 | 1451 | 4.55 | .032 | .569 | -1.016 | .137 | 1.186 | .272 |
| a4 | 319 | 2 | 5 | 1425 | 4.47 | .035 | .618 | -.961 | .137 | 1.077 | .272 |
| a5 | 319 | 2 | 5 | 1454 | 4.56 | .033 | .590 | -1.059 | .137 | .613 | .272 |
| a6 | 319 | 2 | 5 | 1374 | 4.31 | .039 | .696 | -.837 | .137 | .741 | .272 |
| a7 | 319 | 2 | 5 | 1494 | 4.68 | .029 | .523 | -1.508 | .137 | 2.152 | .272 |
| a8 | 319 | 2 | 5 | 1405 | 4.40 | .036 | .646 | -.905 | .137 | .995 | .272 |
| a9 | 319 | 2 | 5 | 1493 | 4.68 | .029 | .518 | -1.448 | .137 | 1.988 | .272 |
| a10 | 319 | 2 | 5 | 1469 | 4.61 | .031 | .550 | -1.108 | .137 | .892 | .272 |
| b1 | 319 | 2 | 5 | 1344 | 4.21 | .035 | .633 | -.282 | .137 | -.280 | .272 |
| b2 | 319 | 2 | 5 | 1352 | 4.24 | .034 | .614 | -.273 | .137 | -.161 | .272 |
| b3 | 319 | 2 | 5 | 1376 | 4.31 | .035 | .631 | -.515 | .137 | .114 | .272 |
| b4 | 319 | 2 | 5 | 1385 | 4.34 | .033 | .587 | -.347 | .137 | -.119 | .272 |
| b5 | 319 | 3 | 5 | 1372 | 4.30 | .033 | .596 | -.221 | .137 | -.603 | .272 |
| b6 | 319 | 3 | 5 | | 4.33 | .034 | .604 | -.296 | .137 | -.643 | .272 |

| | N | | | Sum | Mean | | Std. Deviation | Skewness | | Kurtosis | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| b7 | 319 | 3 | 5 | 1353 | 4.24 | .034 | .605 | -.168 | .137 | -.527 | .272 |
| b8 | 319 | 3 | 5 | 1379 | 4.32 | .032 | .577 | -.168 | .137 | -.637 | .272 |
| b9 | 319 | 3 | 5 | 1343 | 4.21 | .033 | .596 | -.106 | .137 | -.425 | .272 |
| b10 | 319 | 2 | 5 | 1364 | 4.28 | .034 | .614 | -.326 | .137 | -.186 | .272 |
| c1 | 319 | 3 | 5 | 1374 | 4.31 | .032 | .572 | -.119 | .137 | -.599 | .272 |
| c2 | 319 | 3 | 5 | 1371 | 4.30 | .034 | .606 | -.252 | .137 | -.615 | .272 |
| c3 | 319 | 3 | 5 | 1393 | 4.37 | .033 | .588 | -.309 | .137 | -.688 | .272 |
| c4 | 319 | 2 | 5 | 1350 | 4.23 | .039 | .689 | -.455 | .137 | -.380 | .272 |
| c5 | 319 | 2 | 5 | 1347 | 4.22 | .036 | .642 | -.312 | .137 | -.346 | .272 |
| c6 | 319 | 1 | 5 | 1347 | 4.22 | .037 | .652 | -.671 | .137 | 1.552 | .272 |
| c7 | 319 | 3 | 5 | 1382 | 4.33 | .032 | .574 | -.170 | .137 | -.661 | .272 |
| c8 | 319 | 1 | 5 | 1397 | 4.38 | .035 | .617 | -.784 | .137 | 1.748 | .272 |
| c9 | 319 | 3 | 5 | 1413 | 4.43 | .032 | .578 | -.411 | .137 | -.737 | .272 |
| c10 | 319 | 2 | 5 | 1343 | 4.21 | .038 | .680 | -.408 | .137 | -.333 | .272 |
| d1 | 319 | 3 | 5 | 1360 | 4.26 | .036 | .644 | -.308 | .137 | -.700 | .272 |
| d2 | 319 | 3 | 5 | 1398 | 4.38 | .034 | .613 | -.451 | .137 | -.649 | .272 |
| d3 | 319 | 3 | 5 | 1370 | 4.29 | .034 | .610 | -.261 | .137 | -.619 | .272 |
| d4 | 319 | 3 | 5 | 1361 | 4.27 | .035 | .630 | -.278 | .137 | -.652 | .272 |
| d5 | 319 | 3 | 5 | 1348 | 4.23 | .035 | .629 | -.214 | .137 | -.612 | .272 |
| d6 | 319 | 2 | 5 | 1380 | 4.33 | .036 | .649 | -.511 | .137 | -.352 | .272 |
| d7 | 319 | 3 | 5 | 1373 | 4.30 | .034 | .608 | -.270 | .137 | -.625 | .272 |
| d8 | 319 | 3 | 5 | 1405 | 4.40 | .033 | .590 | -.408 | .137 | -.689 | .272 |
| d9 | 319 | 3 | 5 | 1343 | 4.21 | .035 | .632 | -.200 | .137 | -.611 | .272 |
| d10 | 319 | 2 | 5 | 1372 | 4.30 | .036 | .652 | -.465 | .137 | -.385 | .272 |
| e1 | 319 | 3 | 5 | 1419 | 4.45 | .033 | .585 | -.508 | .137 | -.664 | .272 |
| e2 | 319 | 3 | 5 | 1391 | 4.36 | .033 | .587 | -.288 | .137 | -.686 | .272 |
| e3 | 319 | 3 | 5 | 1384 | 4.34 | .033 | .587 | -.243 | .137 | -.659 | .272 |
| e4 | 319 | 1 | 5 | 1314 | 4.12 | .038 | .681 | -.453 | .137 | .621 | .272 |
| e5 | 319 | 2 | 5 | 1360 | 4.26 | .034 | .614 | -.308 | .137 | -.180 | .272 |
| e6 | 319 | 2 | 5 | 1380 | 4.33 | .033 | .594 | -.343 | .137 | -.127 | .272 |

| | N | Minimum | Maximum | Sum | Mean | | Std. Deviation | Skewness | | Kurtosis | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| e7 | 319 | 2 | 5 | 1348 | 4.23 | .035 | .629 | -.290 | .137 | -.255 | .272 |
| e8 | 319 | 2 | 5 | 1375 | 4.31 | .033 | .589 | -.298 | .137 | -.093 | .272 |
| e9 | 319 | 2 | 5 | 1365 | 4.28 | .032 | .567 | -.164 | .137 | .072 | .272 |
| e10 | 319 | 2 | 5 | 1338 | 4.19 | .036 | .644 | -.489 | .137 | .577 | .272 |
| A | 319 | 3.00 | 5.00 | 1455.40 | 4.5624 | .01848 | .32999 | -1.475 | .137 | 3.003 | .272 |
| B | 319 | 3.00 | 5.00 | 1364.80 | 4.2784 | .02638 | .47112 | -.217 | .137 | -.199 | .272 |
| C | 319 | 3.00 | 5.00 | 1371.70 | 4.3000 | .02717 | .48525 | -.329 | .137 | -.204 | .272 |
| D | 319 | 3.00 | 5.00 | 1371.00 | 4.2978 | .02777 | .49592 | -.339 | .137 | -.307 | .272 |
| E | 319 | 2.70 | 5.00 | 1367.40 | 4.2865 | .02798 | .49972 | -.203 | .137 | -.205 | .272 |
| total | 319 | 3.12 | 5.00 | 1386.06 | 4.3450 | .02136 | .38159 | -.257 | .137 | -.196 | .272 |
| Valid N (listwise) | 319 | | | | | | | | | | |

```
FACTOR

  /VARIABLES a1 a2 a3 a4 a5 a6 a7 a8 a9 a10

  /MISSING LISTWISE

  /ANALYSIS a1 a2 a3 a4 a5 a6 a7 a8 a9 a10

  /PRINT INITIAL EXTRACTION ROTATION

  /CRITERIA MINEIGEN(1) ITERATE(25)

  /EXTRACTION PC

  /CRITERIA ITERATE(25)

  /ROTATION VARIMAX

  /SAVE REG(ALL)
```

# Factor Analysis

| | | |
|---|---|---|
| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 30 นาที |
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| | Definition of Missing | MISSING=EXCLUDE: User-defined missing values are treated as missing. |
| | Cases Used | LISTWISE: Statistics are based on cases with no missing values for any variable used. |
| Syntax | | FACTOR /VARIABLES a1 a2 a3 a4 a5 a6 a7 a8 a9 a10  /MISSING LISTWISE /ANALYSIS a1 a2 a3 a4 a5 a6 a7 a8 a9 a10  /PRINT INITIAL EXTRACTION ROTATION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /CRITERIA ITERATE(25) /ROTATION VARIMAX  /SAVE REG(ALL) /METHOD=CORRELATION. |
| Resources | Processor Time | 00 00:00:00.031 |
| | Elapsed Time | 00 00:00:00.078 |
| | Maximum Memory Required | 14376 (14.039K) bytes |
| Variables Created | FAC1_1 | Component score 1 |
| | FAC2_1 | Component score 2 |

[DataSet1] H:\จัดรูปแบบ58\วิเคราะห์data\data.sav

**Communalities**

|     | Initial | Extraction |
| --- | --- | --- |
| a1  | 1.000 | .474 |
| a2  | 1.000 | .447 |
| a3  | 1.000 | .257 |
| a4  | 1.000 | .599 |
| a5  | 1.000 | .366 |
| a6  | 1.000 | .547 |
| a7  | 1.000 | .461 |
| a8  | 1.000 | .588 |
| a9  | 1.000 | .352 |
| a10 | 1.000 | .353 |

**Total Variance Explained**

| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | | Rotation Sums of Squared Loadings | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % |
| 1 | 3.285 | 32.849 | 32.849 | 3.285 | 32.849 | 32.849 | 2.401 | 24.013 | 24.013 |
| 2 | 1.159 | 11.592 | 44.441 | 1.159 | 11.592 | 44.441 | 2.043 | 20.429 | 44.441 |
| 3 | .901 | 9.014 | 53.455 | | | | | | |
| 4 | .838 | 8.379 | 61.834 | | | | | | |
| 5 | .760 | 7.605 | 69.439 | | | | | | |
| 6 | .722 | 7.225 | 76.664 | | | | | | |
| 7 | .667 | 6.671 | 83.334 | | | | | | |
| 8 | .612 | 6.115 | 89.450 | | | | | | |
| 9 | .575 | 5.746 | 95.195 | | | | | | |
| 10 | .480 | 4.805 | 100.000 | | | | | | |

**Component Matrixa**

|  | Component | |
|---|---|---|
|  | 1 | 2 |
| a1 | .586 | .363 |
| a2 | .579 | .334 |
| a3 | .430 | .269 |
| a4 | .575 | -.518 |
| a5 | .602 | .053 |
| a6 | .581 | -.457 |
| a7 | .567 | .374 |
| a8 | .615 | -.459 |
| a9 | .593 | .026 |
| a10 | .583 | .112 |

**Rotated Component Matrixa**

|  | Component | |
|---|---|---|
|  | 1 | 2 |
| a1 | .681 | .100 |
| a2 | .658 | .118 |
| a3 | .502 | .072 |
| a4 | .106 | .767 |
| a5 | .495 | .348 |
| a6 | .150 | .724 |
| a7 | .674 | .080 |
| a8 | .174 | .747 |
| a9 | .470 | .363 |
| a10 | .518 | .290 |

**Component Transformation Matrix**

| Component | 1 | 2 |
|---|---|---|
| 1 | .764 | .645 |
| 2 | .645 | -.764 |

```
FACTOR

  /VARIABLES b1 b2 b3 b4 b5 b6 b7 b8 b9 b10

  /MISSING LISTWISE

  /ANALYSIS b1 b2 b3 b4 b5 b6 b7 b8 b9 b10

  /PRINT INITIAL EXTRACTION ROTATION

  /CRITERIA MINEIGEN(1) ITERATE(25)

  /EXTRACTION PC

  /CRITERIA ITERATE(25)

  /ROTATION VARIMAX

  /SAVE REG(ALL)

  /METHOD=CORRELATION.
```

## Factor Analysis

**Notes**

| Output Created | | 12-ต.ค.-2558, 23 นาฬิกา 31 นาที |
|---|---|---|
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\ วิเคราะห์ data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | MISSING=EXCLUDE: User-defined missing values are treated as missing. |

Cases Used
. LISTWISE: Statistics are based on cases
with no missing values for any variable used.

| Syntax | | FACTOR  /VARIABLES b1 b b3 b4 b5 b6 b7 b8 b9 b10 /MISSING LISTWISE /ANALYSIS b1 b2 b3 b4 b5 b b7 b8 b9 b10  /PRINT INITIA EXTRACTION ROTATION /CRITERIA MINEIGEN(1) ITERATE(25)  /EXTRACTIO PC  /CRITERIA ITERATE(25 /ROTATION VARIMAX /SAVE REG(ALL) /METHOD=CORRELATION. |
|---|---|---|
| Resources | Processor Time | 00 00:00:00.062 |
| | Elapsed Time | 00 00:00:00.062 |
| | Maximum Memory Require | 14376 (14.039K) bytes |
| Variables Created | FAC1_2 | Component score 1 |

[DataSet1] H:\จัดรูปแบบ58\วิเคราะห์data\data.sav

**Communalities**

| | Initial | Extraction |
|---|---|---|
| b1 | 1.000 | .593 |
| b2 | 1.000 | .610 |
| b3 | 1.000 | .606 |
| b4 | 1.000 | .653 |
| b5 | 1.000 | .559 |
| b6 | 1.000 | .676 |
| b7 | 1.000 | .659 |
| b8 | 1.000 | .620 |
| b9 | 1.000 | .593 |
| b10 | 1.000 | .494 |

**Total Variance Explained**

| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | |
|---|---|---|---|---|---|---|
| | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative e % |
| 1 | 6.061 | 60.611 | 60.611 | 6.061 | 60.611 | 60.611 |
| 2 | .849 | 8.494 | 69.105 | | | |
| 3 | .824 | 8.236 | 77.342 | | | |
| 4 | .509 | 5.094 | 82.436 | | | |
| 5 | .386 | 3.862 | 86.298 | | | |
| 6 | .354 | 3.544 | 89.842 | | | |
| 7 | .339 | 3.386 | 93.229 | | | |
| 8 | .247 | 2.468 | 95.697 | | | |
| 9 | .238 | 2.380 | 98.077 | | | |
| 10 | .192 | 1.923 | 100.000 | | | |

**Component Matrixa**

| | Component |
|---|---|
| | 1 |
| b1 | .770 |
| b2 | .781 |
| b3 | .778 |
| b4 | .808 |
| b5 | .747 |
| b6 | .822 |
| b7 | .812 |
| b8 | .787 |
| b9 | .770 |
| b10 | .703 |

```
FACTOR

  /VARIABLES c1 c2 c3 c4 c5 c6 c7 c8 c9 c10

  /MISSING LISTWISE

  /ANALYSIS c1 c2 c3 c4 c5 c6 c7 c8 c9 c10

  /PRINT INITIAL EXTRACTION ROTATION

  /CRITERIA MINEIGEN(1) ITERATE(25)
```

```
/EXTRACTION PC

/CRITERIA ITERATE(25)

/ROTATION VARIMAX

/SAVE REG(ALL)
```

[DataSet1] H:\จัดรูปแบบ58\วิเคราะห์data\data.sav

**Communalities**

|      | Initial | Extraction |
|------|---------|------------|
| c1   | 1.000   | .537       |
| c2   | 1.000   | .675       |
| c3   | 1.000   | .682       |
| c4   | 1.000   | .664       |
| c5   | 1.000   | .626       |
| c6   | 1.000   | .577       |
| c7   | 1.000   | .632       |
| c8   | 1.000   | .540       |
| c9   | 1.000   | .570       |
| c10  | 1.000   | .626       |

**Total Variance Explained**

| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | |
|---|---|---|---|---|---|---|
| | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % |
| 1 | 6.130 | 61.301 | 61.301 | 6.130 | 61.301 | 61.301 |
| 2 | .991 | 9.914 | 71.216 | | | |
| 3 | .763 | 7.629 | 78.845 | | | |
| 4 | .543 | 5.430 | 84.275 | | | |
| 5 | .405 | 4.051 | 88.326 | | | |
| 6 | .362 | 3.624 | 91.950 | | | |
| 7 | .317 | 3.165 | 95.115 | | | |
| 8 | .255 | 2.554 | 97.669 | | | |
| 9 | .211 | 2.112 | 99.781 | | | |
| 10 | .022 | .219 | 100.000 | | | |

**Component Matrixa**

| | Component |
|---|---|
| | 1 |
| c1 | .733 |
| c2 | .821 |
| c3 | .826 |
| c4 | .815 |
| c5 | .791 |
| c6 | .760 |
| c7 | .795 |
| c8 | .735 |
| c9 | .755 |
| c10 | .791 |

**Rotated Component Matrixa**

```
FACTOR

  /VARIABLES d1 d2 d3 d4 d5 d6 d7 d8 d9 d10

  /MISSING LISTWISE
```

```
/ANALYSIS d1 d2 d3 d4 d5 d6 d7 d8 d9 d10

/PRINT INITIAL EXTRACTION ROTATION

/CRITERIA MINEIGEN(1) ITERATE(25)

        /EXTRACTION PC

/CRITERIA ITERATE(25)

/ROTATION VARIMAX

        /SAVE REG(ALL)

/METHOD=CORRELATION.
```

# Factor Analysis

**Notes**

| Output Created | | 13-ต.ค.-2558, 00 นาฬิกา 0 นาที |
|---|---|---|
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\วิเคราะห์data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | MISSING=EXCLUDE: User-defined missing values are treated as missing. |
| | Cases Used | LISTWISE: Statistics are based on cases with no missing values for any variable used. |
| Syntax | | FACTOR /VARIABLES d1 d2 d3 d4 d5 d6 d7 d8 d9 d10 /MISSING LISTWISE /ANALYSIS d1 d2 d3 d4 d5 d6 d7 d8 d9 d10 /PRINT INITIAL EXTRACTION ROTATION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /CRITERIA ITERATE(25) /ROTATION VARIMAX /SAVE REG(ALL) /METHOD=CORRELATION. |
| Resources | Processor Time | 00 00:00:00.078 |

| | Elapsed Time | 00 00:00:00.110 |
| --- | --- | --- |
| | Maximum Memory Required | 14376 (14.039K) bytes |
| Variables Created | FAC1_4 | Component score 1 |
| | FAC2_4 | Component score 2 |

[DataSet1] H:\จัดรูปแบบ58\วิเคราะห์data\data.sav

**Communalities**

| | Initial | Extraction |
| --- | --- | --- |
| d1 | 1.000 | .773 |
| d2 | 1.000 | .767 |
| d3 | 1.000 | .709 |
| d4 | 1.000 | .635 |
| d5 | 1.000 | .790 |
| d6 | 1.000 | .811 |
| d7 | 1.000 | .687 |
| d8 | 1.000 | .602 |
| d9 | 1.000 | .759 |
| d10 | 1.000 | .802 |

**Total Variance Explained**

| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | | Rotation Sums of Squared Loadings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % |
| 1 | 6.310 | 63.100 | 63.100 | 6.310 | 63.100 | 63.100 | 4.413 | 44.132 | 44.132 |
| 2 | 1.025 | 10.247 | 73.347 | 1.025 | 10.247 | 73.347 | 2.922 | 29.215 | 73.347 |
| 3 | .743 | 7.429 | 80.776 | | | | | | |
| 4 | .530 | 5.299 | 86.075 | | | | | | |
| 5 | .422 | 4.218 | 90.292 | | | | | | |
| 6 | .328 | 3.283 | 93.575 | | | | | | |
| 7 | .290 | 2.898 | 96.473 | | | | | | |
| 8 | .270 | 2.700 | 99.172 | | | | | | |
| 9 | .051 | .515 | 99.687 | | | | | | |
| 10 | .031 | .313 | 100.00 | | | | | | |

**Component Matrixa**

| | Component | |
|---|---|---|
| | 1 | 2 |
| d1 | .648 | .595 |
| d2 | .754 | .446 |
| d3 | .767 | .347 |
| d4 | .796 | -.014 |
| d5 | .860 | -.226 |
| d6 | .839 | -.327 |
| d7 | .828 | -.042 |
| d8 | .775 | .040 |
| d9 | .833 | -.255 |
| d10 | .823 | -.354 |

**Rotated Component Matrixa**

| | Component | |
|---|---|---|
| | 1 | 2 |
| d1 | .163 | .864 |
| d2 | .337 | .809 |
| d3 | .407 | .737 |
| d4 | .646 | .466 |
| d5 | .823 | .334 |
| d6 | .868 | .240 |
| d7 | .688 | .462 |
| d8 | .596 | .497 |
| d9 | .820 | .295 |
| d10 | .871 | .209 |

**Component Transformation Matrix**

| Component | 1 | 2 |
|---|---|---|
| 1 | .801 | .599 |
| 2 | -.599 | .801 |

```
FACTOR

  /VARIABLES e1 e2 e3 e4 e5 e6 e7 e8 e9 e10

        /MISSING LISTWISE

        /ANALYSIS e1 e2 e3 e4 e5 e6e7 e8 e9e10

        /PRINT INITIAL EXTRACTION ROTATION

        /CRITERIA MINEIGEN(1) ITERATE(25)

              /EXTRACTION PC

        /CRITERIA ITERATE(25)

        /ROTATION VARIMAX

              /SAVE REG(ALL)

        /METHOD=CORRELATION.
```

# Factor Analysis

**Notes**

| Output Created | | 13-ต.ค.-2558, 00 นาฬิกา 2 นาที |
|---|---|---|
| Comments | | |
| Input | Data | H:\จัดรูปแบบ58\วิเคราะห์data\data.sav |
| | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 320 |
| Missing Value Handling | Definition of Missing | MISSING=EXCLUDE: User-defined missing values are treated as missing. |
| | | LISTWISE: Statistics are based on cases with no missing values for any variable used |
| Syntax | | FACTOR /VARIABLES e1 e2 e3 e4 e5 e6 e7 e8 e9 e10 /MISSING LISTWISE /ANALYSIS e1 e2 e3 e4 e5 e6 e7 e8 e9 e10 /PRINT INITIAL EXTRACTION ROTATION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /CRITERIA ITERATE(25) /ROTATION VARIMAX /SAVE REG(ALL) /METHOD=CORRELATION. |
| Resources | | . |
| Processor Time | Maximum Memory Required | 00 00:00:00.031 |
| Elapsed Time | | 00 00:00:00.078 |
| Variables Created | FAC1_5 | Component score 1 |

```
[DataSet1] H:\จัดรูปแบบ58\วิเคราะห์data\data.sav
```

**Communalities**

|  | Initial | Extraction |
|---|---|---|
| e1 | 1.000 | .616 |
| e2 | 1.000 | .660 |
| e3 | 1.000 | .650 |
| e4 | 1.000 | .580 |
| e5 | 1.000 | .757 |
| e6 | 1.000 | .788 |
| e7 | 1.000 | .648 |
| e8 | 1.000 | .775 |
| e9 | 1.000 | .699 |
| e10 | 1.000 | .624 |

**Total Variance Explained**

| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | |
|---|---|---|---|---|---|---|
|  | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % |
| 1 | 6.796 | 67.960 | 67.960 | 6.796 | 67.960 | 67.960 |
| 2 | .788 | 7.878 | 75.838 |  |  |  |
| 3 | .666 | 6.660 | 82.499 |  |  |  |
| 4 | .467 | 4.665 | 87.164 |  |  |  |
| 5 | .427 | 4.274 | 91.438 |  |  |  |
| 6 | .298 | 2.976 | 94.415 |  |  |  |
| 7 | .239 | 2.393 | 96.808 |  |  |  |
| 8 | .218 | 2.183 | 98.990 |  |  |  |
| 9 | .092 | .919 | 99.909 |  |  |  |
| 10 | .009 | .091 | 100.000 |  |  |  |

**Component Matrix<sup>a</sup>**

| | Component |
|---|---|
| | 1 |
| e1 | .785 |
| e2 | .812 |
| e3 | .806 |
| e4 | .762 |
| e5 | .870 |
| e6 | .888 |
| e7 | .805 |
| e8 | .880 |
| e9 | .836 |
| e10 | .790 |