

## The Investment Model of Relationship Commitment: Factor Analysis, Reliability, and Validity

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**Received:** 31 August 2017

**Accepted:** 24 October 2017

**Published:** 4 April 2018

### How to cite this article:

Ghezelsefloo M, Sayed-Alitabar S-H, Mirza M, Vashghani-Farahani M. Confirmatory Factor Analysis, Reliability, and Validity Investment Model Scale Couples Relationship. *Community Health*. 2018;5(1):57-66. DOI: <http://dx.doi.org/10.22037/ch.v5i1.18382>.

### Abstract

**Background and Objectives:** The investment model depicts the theory of interdependence and uses interconnected structures to analyze the tendency to maintain a relationship. The aim of this study was to examine the factor structure, reliability and validity of the scale of the investment model of relationship commitment among couples in Tehran.

**Material and Method:** This study was a descriptive study with correlation design. Participants included couples with middle-aged children in Tehran. Cluster random sampling method was used in the study. Data were collected via the investment model of relationship commitment questionnaire which was developed by Rusbult. To validate the questionnaire, construct validity, confirmatory factor analysis, and convergent validity were used. To test the reliability of the questionnaire, Cronbach's alpha and retest reliability coefficient were used.

**Results:** Responses of 420 participants, 250 women and 170 men, were analyzed. The Cronbach's alpha coefficient was 0.97 for satisfaction subscales, 0.87 the quality of the alternatives, 0.85 the investment in the relationship, and 0.67 the marital commitment. Test re-test coefficient in a two-week interval was 0.94 for the subscales of satisfaction, 0.86 the quality of the alternatives, 0.82 the investment rate, and 0.67 the personal commitment. Correlation coefficients showed that marital adjustment scale had a significant correlation of 0.84 with satisfaction subscales, 0.29 substitute quality, 0.55 investment rate, and 0.77 personal commitment, which indicates a convergent validity,  $P < 0.01$ . The factor structure of the scale of the investment model was confirmed using a confirmatory factor analysis.

**Conclusion:** The confirmatory factor structure, reliability and validity of the investment model of relationship commitment were acceptable for research and diagnostic applications.

**Keywords:** Investment Capital Scale, Reliability, Validity, Factor Structure