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7.3 ID Dimensions between Personality and Creativity in AFA, PFA and AMFA (CFA) Procedures
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7.4.1 ID Dimensions between Intelligence and Personality in AFA Procedure
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7.5.1 ID Dimensions between Verbal and Non-Verbal Creativity in AFA Procedure

7.5.2 ID Dimensions between Verbal and Non-Verbal Creativity in PFA Procedure

7.5.3 ID Dimensions between Verbal and Non-Verbal Creativity in AMFA (CFA) Procedure

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8.1 ID Dimensions between Creativity and Intelligence

8.2 ID Dimensions between Creativity and Personality

8.3 ID Dimensions between Intelligence and Personality

8.4 ID Dimensions between Verbal and Non-Verbal Creativity

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9.1 ID Dimensions between Creativity and Intelligence

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9.3 ID Dimensions between Intelligence and Personality

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X SUMMARY

APPENDIX I : Tables 6.1 to 6.17

APPENDIX II

(i) Correlation Matrix of Creativity and Intelligence Measures (Variables)

(ii) Correlation Matrix of Creativity and Personality Measures (Variables)

(iii) Correlation Matrix of Intelligence and Personality Measures (Variables)

(iv) Correlation Matrix of Verbal and Non-Verbal Creativity Measures (Variables)

BIBLIOGRAPHY