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Human and Companion Animal Compatibility:
Stereotypes and Health Consequences

A thesis presented in partial fulfilment of the requirements
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Abstract

The major theme of this thesis is compatibility of human-companion animal relationships, particularly with respect to cats and dogs. This theme was explored from two perspectives, the first of which focused on how the compatibility of people and their pets is perceived by others and involved three studies of stereotypes about human-pet compatibility. The second perspective consisted of one study which focused on some of the health consequences of the experience of compatibility between pets and their owners for the latter.

In the first of the stereotype studies, 102 participants matched up ten photographs of people with ten photographs of pets and provided reasons for their selections. Chi-square analyses demonstrated significant matching trends, i.e. stereotypes, for all but one of the ten target persons. Examination of the reasons for selections suggested that participants used similar themes to those traditionally found in person perception studies (gender, age, hair colour etc.) to categorise the target persons, and made pet selections on this basis. The second study provided profiles of nine target persons who varied on a number of dimensions. One hundred and seventy two participants selected a pet for each target person, specifying the species, breed, sex and name of each pet. It was hypothesized that female target persons would receive a greater number of small dogs and cats than larger dogs, and males would be given medium to large sized dogs more frequently than small dogs and cats. It was also hypothesised that target persons would receive more same sex than opposite sex pets. Results of chi-square analyses of the animal species, breed and sex information provided some support for both hypotheses and suggested that there are certain stereotypical perceptions of particular person-pet combinations. The third study involved 542 participants who rated slides depicting a man and a woman, alone or accompanied by a dog or a cat, on 40 psychological attributes. Contrary to predictions, the woman was seen more favourably with the dog than with the cat or alone, and the man was rated more positively with the cat or alone than with the dog.

The final study concentrated on actual relationships between people and their pets and introduced compatibility as a key dimension. A study was conducted to examine the effects of compatibility, attachment and social support on mental health and physical symptoms. One hundred and seventy six pet owners completed a questionnaire incorporating a compatibility measure developed for this study, the Pet Attachment Survey, the Interpersonal Support Evaluation List, the Mental Health Inventory and
a shortened version of Pennebaker’s Inventory of Limbic Languidness. Regression analyses showed that compatibility was independently associated with better mental health. Unexpectedly, pet attachment was positively associated with physical symptoms and not mental health. Social support was positively related to mental health but not physical symptoms. No interaction or mediating effects were discovered.

The findings of the stereotype studies suggest that there are certain person pet combinations which are perceived to be more compatible than others, which are dependent primarily on age and sex characteristics of the owner. The final study showed that actual compatibility between pet and owner can be quantified and that it is associated with beneficial health effects for the owner.
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TABLE OF CONTENTS

Abstract ........................................................................ ii
Acknowledgements ......................................................... iv
Table of Contents .............................................................. v
List of Tables ..................................................................... ix
List of Appendices ........................................................... xi

Chapter 1 General Overview ......................................................... 1
  Compatibility ........................................................................ 1
  Chapters in Part One ......................................................... 3
  Chapters in Part Two ........................................................ 4

PART ONE

Chapter 2 Literature Review ....................................................... 6
  Compatibility: The Match Between a Person and a Companion Animal ........................................................................ 6
  Dogs and Cats as Companion Animals .................................................. 10
    Early canine experiences .................................................. 10
    Early feline experiences .................................................. 15
    Dogs and cats as companions ........................................... 16
    Selecting a pet .................................................................. 18
  Differences Between Owners and Non-Owners of Pets .............. 23
  Differences Between Owners of Various Species .................. 26
    Demographic differences .............................................. 27
    Personality differences ................................................ 27

Chapter 3 Introduction .............................................................. 34
  Stereotypes ........................................................................ 35
  Stereotypy - The Process .................................................. 37
  How and When Stereotypes are Used .................................... 39
  Gender Stereotypes .......................................................... 40
  Age Stereotypes .............................................................. 44
### Chapter 3  
**Other Influences on Impression Formation**
- Facial characteristics .......... 47
- Clothing .......... 51
- Presence of animals .......... 52
- Human-pet stereotypes .......... 57

**Stereotype Studies** .......... 58
- Study One: Person-pet photograph matching study .......... 58
- Study Two: Pet selection study .......... 59
- Study Three: Human-gender and pet-species stereotype study .......... 60

### Chapter 4  
**Person-Pet Photograph Matching Study** .......... 62

**Method** .......... 62
- Participants .......... 62
- Materials .......... 62
- Procedure .......... 63

**Results** .......... 64
- Quantitative results .......... 64
- Qualitative results .......... 66
  - Appearance .......... 67
  - Attributions .......... 72
  - Compatibility .......... 76

### Chapter 5  
**Pet Selection** .......... 81

**Method** .......... 81
- Participants .......... 81
- Materials .......... 81
- Procedure .......... 82

**Results** .......... 82
- Analysis of species-sex relationships .......... 83
- Analysis of sex of pets and target persons .......... 84
Chapter 5 (cont.)
Relationships Between Target Person Characteristics and Animal Species

Age
Interests
Housing
Ethnicity
Occupation
Analysis of Breeds and Names
Canine names
Feline names
Names of other pets
Summary

Chapter 6 Human-Gender and Animal-Species Stereotype Study

Method
Participants
Materials
Measure
Procedure

Results

Chapter 7 Human-Animal Stereotype Studies

Discussion

PART TWO

Chapter 8 Human-Companion Animal Relationships and Health

Introduction and Literature Review
Pet Ownership and Mental and Physical Health
Health effects of pet ownership
Psychological explanations
Physiological effects of pet contact
Effects of dog presence
Effects of contact with a dog
LIST OF TABLES

Table 4.1  Frequencies with which Animals were Assigned to each of Ten Target Persons .......................... 65

Table 4.2  Frequencies with which Small and Large Animals were Assigned to the Ten Target Persons .................. 66

Table 4.3  Frequencies of Comments Relating to Appearance by Subcategory ......................................................... 67

Table 4.4  Frequencies of Comments Relating to Attributions by Subcategory ......................................................... 72

Table 4.5  Personality Characteristics Attributed to Target Persons in Combination with Particular Animals .................. 73

Table 4.6  Frequencies of Comments Relating to Compatibility of Target Person and Pet by Subcategory ...................... 76

Table 5.1  Frequencies and Percentages of Species Allocations for each Target Person ............................................. 83

Table 5.2  Frequencies of Medium/Large Dog and Small Dog/Cat Allocations for Males and Females ............................ 84

Table 5.3  Sex of Pets Given to Female and Male Target Persons .......................................................... 85

Table 5.4  Percentages of Human and Animal Names for Dogs Given to Nine Target Persons ................................. 87

Table 5.5  Percentages of Human and Animal Names for Cats Given to Nine Target Persons .................................. 90

Table 5.6  Percentages of Human and Animal Names for the Other Pets Given to Nine Target Persons ..................... 93
Table 6.1  Differences in Mean Subscale Ratings of the Male and Female Target Persons Among the Three Viewing Conditions ................................................................. 99

Table 6.2  Differences in Mean Ratings of Items Involved in Significant Subscale Contrasts ................................................................. 100

Table 10.1 Frequencies of Sample Demographics ................................................................. 145

Table 10.2 Means and Standard Deviations of Independent and Dependent Variables ................................................................. 146

Table 10.3 Correlations Among Independent Variables ................................................................. 147

Table 10.4 Correlations Among Dependent Variables ................................................................. 148

Table 10.5 Correlations Between Independent and Dependent Variables ................................................................. 149

Table 10.6 Regression Analyses of the Relationships of Compatibility, Pet Attachment and Social Support with nine Dependent Health Variables ................................................................. 150

Table 10.7 Regression Analyses of the Relationships between Compatibility Components and all Dependent Variables, Controlling for Attachment and Social Support ................................................................. 151

Table 10.8 Regression Analyses of the Relationships between Pet Attachment Components and all Dependent Variables, Controlling for Compatibility and Social Support ................................................................. 152

Table 10.9 Regression Analyses of Relationships between Social Support Components and Mental Health, Well-being, Distress, Control and Depression, Controlling for Compatibility and Pet Attachment ................................................................. 153

Table 10.10 Regression Analyses of Relationships between Social Support Components and Positive Affect, Anxiety, Emotional Ties and Physical Symptoms, Controlling for Compatibility and Pet Attachment ................................................................. 154
LIST OF APPENDICES

Appendix A  Photograph Matching Study - Questionnaire  .................. 182
Appendix B  Pet Selection Study - Target Person Profiles ................. 183
Appendix C  Table C1: Frequencies of Pet Species other than Dogs, Cats, Birds and Fish Allocated to each of Nine Target Persons  .................. 184
Appendix D  Table D1: Frequencies of Small Family Dog Breeds Allocated to each of Nine Target Persons  .................. 185
            Table D2: Frequencies of Medium and Large Family Dog Breeds Allocated to each of Nine Target Persons  .................. 186
            Table D3: Frequencies of Tough, Working and Randomly Bred Dogs Allocated to each of Nine Target Persons  .................. 187
            Table D4: Frequencies of Pedigree and Domestic Cat Breeds Allocated to each of Nine Target Persons  .................. 188
            Table D5: Frequencies of Bird and Fish Breeds Allocated to each of Nine Target Persons  .................. 189
            Table D6: Frequencies of Other Species Allocated to each of Nine Target Persons  .................. 190
Appendix E  Gender and Species Stereotype Study - Questionnaire  .............. 191
Appendix F  Human and Companion Animal Relationships and Health Study - Questionnaire .................. 193
Appendix G  Table G1: Differences in Mean Attachment Scores for Participants Grouped According to Demographic Variables  .................. 209