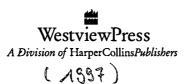




Mexico Megacity

James B. Pick and Edgar W. Butler



Contents

	List of Figures List of Maps List of Tables Preface Acknowledgments	ix xi xv xvii xvii
1.	OVERVIEW Introduction 2 Theoretical Perspectives 3 Mexico Database Project 7 Methodology 8 Mexico Megacity Geographic Information System (GIS) 9 Megacity Variables 12 Base Maps 13 Preliminary Cluster Analysis 19 Summary 27	1
2.	 URBANIZATION IN MEXICO Introduction 30 Historical Urban Growth in Mexico 30 Population and Urban Growth: 1821-1990 30 Urbanization Between 1930 and 1990 32 Urban Population in 1990 32 Large Cities of Mexico 39 A System of Cities 43 United States-Mexican Border States and Cities 46 Future Urbanization in Mexico 50 	29
3.	 POPULATION OF MEXICO MEGACITY Introduction 52 Historical Population Growth of Mexico Megacity 52 Mexico City as a Primate City 55 Mexico Megacity Population Characteristics 56 Population Size 56 Population Growth 57 Population Density 58 Age Structure 58 Dependency Ratio 59 Sex Ratio 59 Cuauhtemoc, Nezahualcoyotl, and Mexico City's Most Populated Areas 80 Population Cluster Analysis 83 Future Population Growth of Mexico Megacity 86 	51

·v

]

Contents

87

115

MARRIAGE, FERTILITY, AND FAMILY Introduction 88
Marriage and Free Union 88
Separation and Divorce 97
Fertility 100
Urbanism/Familism Cluster Analysis 110
Conclusions 114
MIGRATION
Introduction 116
Correlations of Migration Characteristics 117
Native and Foreign Born Population 124

Nativity 124 Percent Foreign Born 124 Inmigration Flows Between the Two Megacity States 127 Inmigration in the Past Five Years 133 Inmigration from Major States and Regions 136 Inmigration Streams Into and Out of the Megacity 140 Conclusions 144

MORTALITY AND HEALTH Introduction 146 Historical Mortality Change 147 Causes of Death 151 Diet 155 Megacity Patterns of Mortality 157 Mortality Correlation Analysis 160 Medical and Health Care and Benefits 164 Conclusions 171

7.

6.

ENVIRONMENT AND HOUSING Introduction 174 Correlations of Neighborhood and Housing Dimensions 176 Neighborhood and Housing Dimensions 181 Crowding 181 Housing Without Electricity 181 Housing Without Running Water 181 Housing Without Toilet and Drainage 182 Use of Firewood and Coal for Heating and Cooking 182 Municipios with the Most Neighborhood and Housing Deficits 186 Housing Cluster Analysis 191 Water 194 Solid Waste 199 Air Pollution 202 Introduction 202 Sources of Air Pollution 202 , Air Quality Monitoring 203 Distribution of Air Pollution 204 Air Pollution Control Stategies 210

Conclusions 211

145

173

5.

Contents

8.	SOCIOECONOMIC CHARACTERISTICS Introduction 214 Literacy 214 Primary and Higher Education 220 Socioeconomic Level 224 Marginality 224 High Level Income 224 Indigenous Language 231 Religion 238 Automobiles 241 Crime 242 Home Ownership 247 Social Rank Cluster Analysis 248	213
9.	THE ECONOMY Introduction 252 Twentieth Century Economic Development 253 Public Finance 260 Industry 262 Commerce 271 Communications and Services 275 Private Education, Medical Services, and the Third Sector 281 Economic Variable Correlations 283 Economic Cluster Analysis 286 Conclusions 290	251
10.	LABOR FORCE AND LABOR MARKET Introduction 292 Labor Force Characteristics Correlations 292 Economic Activity 298 Occupational Sector Structure of the Labor Force 304 Professional, Technical, Managerial Occupations 310 Employment 311 Labor Concerns and Settlement 313 Labor Force Age Structure and Labor Force Projections 318 Conclusions 321	291
11.	 ECONOMIC TRANSFORMATION IN MEXICO MEGACITY Introduction 324 Corporate and Legal Historical Background 324 Corporate Background 325 The Mexican 500 in 1986 327 Data Sources 327 Concentration by State 327 Within State Concentration 328 TNCs and the Mexican 500 in 1986 328 Changes in the Mexican 500: 1986-1993 334 Concentration by State 334 Concentration in Mexico Megacity 334 	323

vii

l

2

347

TNCs and the Mexican 500 in 1993 334 Privatization 335 Foreign Owned Mexican 500: 1986 and 1993 335 Mexico Megacity as a Global City 336 Conclusions 346

SPATIAL STRUCTURE OF MEXICO MEGACITY Introduction 348 Methodology 348 Broad Spatial Structure: Key Zones 352 Comparison and Relevance of Key Zones 355 Key Zones and Population Growth 1950-1970 355 Key Zones and Population Growth 1970-1990 355 Social Rank and Urbanism/Familism 361 Ethnicity as a Contrasting Pattern 365 Conclusions 368

13. MEXICO MEGACITY IN THE FUTURE 369 Introduction 370 Policy Alternatives 373 Population 374 Environmental Management 375 Land Use and Physical Planning 375 Multifunctional and Societal Planning 376 Evaluation of Policy Decisions, Feedback, and Adjustments 377 Research Priorities 379 An Overview of Mexico Megacity 380 Idealized Model of Mexico Megacity 381 Theoretical Implications 382 Future Population Growth 384 Appendix: Definitions of Variables 387

Keierences	391
Index ,	405
About the Book and Authors	412