

Table of Contents

Table of Contents	V
Abbreviations	VII
Abstract	VIII
ملخص.....	IX
Chapter 1 : Introduction.....	1
1.1 Background	1
1.2 Literature Reviews	3
1.3 Problem And Methodology	5
Chapter 2 : MIDAS Regressions.....	7
2.1 The Forecasting Environment And Notations	7
2.2 Data Form	8
2.3 Time Aggregation.....	9
2.3.1 Time-Averaging.....	10
2.3.2 Step Weighting(U-MIDAS).....	11
2.3.3 MIDAS Regressions.....	12
2.4 Simple R-MIDAS Regression	12
2.5 Polynomial Specifications	14
2.5.1 Exponential Almon Lag Polynomial.....	14
2.5.2 Beta Lag function.....	16
2.5.3 Almon Lag Polynomial of order (P)	16
2.6 Lag Length Selection Criteria	18
2.7 Testing Unit Root and Cointegration	19
2.7.1 Unit Root	19
2.7.2 Cointegration.....	21

2.7.3 Johansen's procedure	22
2.8 Cointegration-MIDAS and ECM-MIDAS models	25
2.9 Distributed-Lag Models	26
2.10 Estimation Methods	30
2.10.1 The Method of Least squares.....	30
2.10.2 The Method of Maximum Likelihood.....	32
2.10.3 Generalized Method Of Moments Estimation.....	34
2.10.4 The Method of Nonlinear Least squares(Gauss-Newton method).....	35
2.11 Forecasting.....	38
Chapter 3 : Application Case Study	40
3.1 Modeling The Palestinian GDP	40
3.2 Discussion of Results and Conclusions	47
Appendix A : Output Tables	49
Appendix B : Time Series Plots.....	56
Appendix C : Testing The Flat Aggregation Scheme(AGK test)	58
Appendix D : The R-Codes Used In Analysis.....	59
References.....	65
Index.....	70