

NATLYEAR: Introduction

This data set contains several variables, or indicators, that have been used by MMP researchers in the past to assess various factors contributing to migration between the United States and Mexico. These data have been gleaned from various projects, most notably Massey and Espinosa's 1997 article ("What's Driving Mexico-U.S. Migration? A Theoretical, Empirical, and Policy Analysis." *American Journal of Sociology* 102:939-999).

It is our hope that these data can assist researcher by providing a handy and reliable set of national-level indicators that target several economical facets of the United States and Mexico. The data below, in our mind, crystallize the migratory flow by painting a portrait of the economic and social conditions in any given year beginning from 1965 to present.

NATLYEAR Data file: Variable list and specifications

Variable	Format	Label
YEAR	4.0	Year
Border indicators		
LWHR	10.0	Line Watch Hours
PROBAPP	8.3	Probability of Apprehension
VISACCSS	8.4	Visa Accessibility
INSBUDGT	8.1	INS Budget in Nominal U.S. Dollars
CBPBUDGT	8.1	Customs and Border Protection Budget in Nominal U.S. Dollars
ICEBUDGT	8.1	Immigration and Customs Enforcement Budget in Nominal U.S. Dollars
CISBUDGT	8.1	Citizenship and Immigration Services Budget in Nominal U.S. Dollars
BPEBUDGT	8.2	Border Patrol Enforcement Budget in Nominal U.S. Dollars
Finance indicators		
DFINVEST	8.0	Direct Foreign Investment
EXCHRATE	8.3	Exchange Rate (USD/Mexican Peso)
LAGEXCH	8.3	Lagged Exchange Rate
DEVAL	8.3	Peso Devaluation
INFRATE	8.4	Mexican Inflation Rate
MEXINT	8.1	Mexican Interest Rate
MEXRLINT	8.1	Mexican Real Interest Rate
MEXGDPPC	10.0	Mexican GDP per Capita
CONST10	8.4	Constant Dollar (Base 2010 USD)
Trade indicators		
EXPORTS	8.0	Value of U.S. Exports to Mexico (in millions of dollars)
IMPORTS	8.0	Value of U.S. Imports from Mexico (in millions of dollars)
TRADEBAL	8.0	Merchandise Trade Balance (in millions of dollars)
Labor indicators		
MXMINWAG	8.2	Mexican Minimum Wage (nominal pesos)
MXUNEMP	8.3	Mexican Unemployment Rate
USAVWAGE	8.3	U.S. Average Wage
USUNEMP	8.3	U.S. Unemployment Rate
TOTUSEMP	8.0	Total U.S. Civilian Employment (in thousands)

NATLYEAR Data file: Variable code

Variable	Label and Code	Definition
YEAR	Year yyyy	Year
Border indicators		
LWHRS	Line Watch Hours Per Year n,nnn,nnn 9999	Number of hours Unknown
PROBAPP	Probability of Apprehension n.nnnn	Probability per year
VISACCSS	Visa Accessibility .nnnn 9999	Percentage Unknown
INSBUDGT	INS Budget in Nominal U.S. Dollars (Available until 2002) n,nnn.nn 8888	Dollars N/A – DHS took over INS in 2003.
CBPBUDGT	Customs and Border Protection Budget in Nominal U.S. Dollars n,nnn.nn 8888	Dollars N/A – Organization didn't exist prior to 2003
ICEBUDGT	Immigration and Customs Enforcement Budget in Nominal U.S. Dollars n,nnn.nn 8888	Dollars N/A – Organization didn't exist prior to 2003
CISBUDGT	Citizenship and Immigration Services Budget in Nominal U.S. Dollars n,nnn.nn 8888	Dollars N/A – Organization didn't exist prior to 2003
BPEBUDGT	Border Patrol Enforcement Budget in Nominal U.S. Dollars nnn.nn 9999	Dollars (in thousands of dollars) Unknown
Finance indicators		
DFINVEST	Direct Foreign Investment nn,nnnn 8888	Investment N/A – Information not available yet.
EXCHRATE	Exchange Rate (USD/Mexican Peso) n.nnn	Exchange rate
LAGEXCH	Lagged Exchange Rate n.nnn	Exchange rate
DEVAL	Peso devaluation n.nnn	Devaluation

NATLYEAR Data file: Variable code

Variable	Label and Code	Definition
INFRATE	Mexican Inflation Rate nn.nn	Inflation rate
MEXINT	Mexican Interest Rate nn.nn	Interest rate
MEXRLINT	Mexican Real Interest Rate nn.nn	Real interest rate
MEXGDPPC	Mexican GDP per capita n,nnn,nnn.n	Amount
CONST10	Constant Dollar (Base 2010 USD) n.nnnn	Base
<i>Trade Indicators Between the U.S. and Mexico</i>		
EXPORTS	Value of U.S. Exports to Mexico nnn,nnn 8888	Value in millions of dollars N/A – Information not available yet.
IMPORTS	Value of U.S. Imports from Mexico nnn,nnn 8888	Value in millions of dollars N/A – Information not available yet.
TRADEBAL	Merchandise Trade Balance nn,nnnn 8888	Balance in millions of dollars N/A – Information not available yet.
<i>Labor Indicators</i>		
MXMINWAG	Mexican Minimum Wage (nominal pesos) n.nnnn	Wage
MXUNEMP	Mexican Unemployment Rate n.nnn 9999	Unemployment rate Unknown
USAVWAGE	U.S. Average Wage nn.nnn	Wage
USUNEMP	U.S. Unemployment Rate n.nnn	Unemployment rate
TOTUSEMP	Total U.S. Civilian Employment nnn,nnnn 8888	Total in thousands N/A – Information not available yet.

NATLYEAR Data file: Variable Notes and Sources

Variable	Notes and Sources
----------	-------------------

Border-crossing Indicators:

LWHRSN	Number of INS line watch hours per year <i>Source: U.S. Immigration and Naturalization Service / Department of Homeland Security</i>
PROBAPP	Probability of apprehension per year Likelihood of arrest while attempting to cross the border with false or no documents. Probability calculated with the MMP134. <i>Source: Mexican Migration Project</i>
VISACCSS	Accessibility of visas Computed as follows: $\frac{TIA}{TIA + GIE}$, where TIA = total immigrants admitted, and GIE = Gross illegal entries. Total immigrants admitted is the number of Mexicans who received the green card per fiscal year. Gross illegal entries per year are computed as follows: $Apprehensions * \frac{1 - Apprehension.probability}{Apprehension.probability}$. <i>Source: U.S. Immigration and Naturalization Service and the Mexican Migration Project.</i>
INSBUDGT	INS Budget in Nominal U.S. Dollars <i>Source: U.S. Immigration and Naturalization Service</i>
CBPBUDGT	Customs and Border Protection Budget in Nominal U.S. Dollars <i>Source: Department of Homeland Security.</i>
ICEBUDGT	Immigration and Customs Enforcement Budget in Nominal U.S. Dollars <i>Source: Department of Homeland Security.</i>
CISBUDGT	Citizenship and Immigration Services Budget in Nominal U.S. Dollars <i>Source: Department of Homeland Security.</i>
BPEBUDGT	Border Patrol Enforcement Budget in Nominal U.S. Dollars <i>Source: U.S. Immigration and Naturalization Service (until 1998)</i> <i>Homeland Security Digital Library (after 1998)</i>

NATLYEAR Data file: Variable Notes and Sources

Variable	Notes and Sources
----------	-------------------

Finance Indicators:

DFINVEST	Direct Foreign Investment in Mexico Note: Amounts in millions of U.S. Dollars Source: <i>International Monetary Fund (IMF) – International Financial Statistics Yearbook various years.</i> Variable: “Dir. Invest. In Rep. Econon., n.i.e.”
EXCHRATE	Exchange rate between Mexico and the U.S. Computed as follows: For 1965-1985 = $\frac{\text{MarketRate}}{1000}$ For 1986-2000 = “Market Rate” as shown in IMF volume. For 2001-present = Global Financial Data Website for Mexico Source: <i>International Monetary Fund (IMF) – International Financial Statistics Yearbook various years, & the Global Financial Data Website (www.globalfinancialdata.com)</i> Accessed on August 24, 2011.
DEVAL	Peso devaluation. Specifically, the rate of change in the dollar value of the Mexican peso over the prior year. The devaluation was computed as follows: $DEVAL = \frac{EXCHRATE - LAGEXCH}{LAGEXCH}$ Source: <i>International Monetary Fund (IMF) – International Financial Statistics Yearbook various years.</i>
INFRATE	Mexican Inflation Rate Specifically, the rate of change in the Mexican Consumer Index over the prior year. Inflation was computed as follows: $MEXINT = \ln\left(\frac{CP_{t+1}}{CP_t}\right) * 100$, where CP = “Consumer prices” Source: <i>International Monetary Fund (IMF) – International Financial Statistics Yearbook various years.</i>
MEXINT	Mexican Interest Rate. Specifically, the average cost of funds in Mexico. Source: <i>International Monetary Fund (IMF) – International Financial Statistics Yearbook for various years.</i> Variable: Average Cost of Funds
MEXRLINT	Mexican Real Interest Rate Computed as follows: $MEXRLINT = MEXINT - INFRATE$

NATLYEAR Data file: Variable Notes and Sources

Variable	Notes and Sources
MEXGDPPC	Mexican GDP per capita Computed as follows: $MEXGDPPC = \frac{GDP}{CP} * 100$, where CP (Consumer price index), 2000=100 Source: <i>International Monetary Fund (IMF) – International Financial Statistics Yearbook various years.</i>
CONST10	Constant dollar based on 2010 U.S. dollars Source: Bureau of Labor Statistics.
Trade Indicators between the United States and Mexico:	
EXPORTS	Value of U.S. Exports to Mexico Source: Statistical Abstracts of the United States for various years.
IMPORTS	Value of U.S. Imports from Mexico Source: Statistical Abstracts of the United States for various years.
TRADEBAL	Merchandise trade balance Note: Minus sign (-) denotes an excess of imports over exports. Source: Statistical Abstracts of the United States for various years.
Labor Indicators:	
MXMINWAG	Mexican minimum wage (nominal pesos) Source: “Principales Indicadores Salariales en México” published by Banco de Mexico, July 2005 & the <i>Global Financial Data Website</i> (www.globalfinancialdata.com) Accessed on August 24, 2011.
MXUNEMP	Mexican Unemployment Rate Source: Global Financial Data Website (www.globalfinancialdata.com). Accessed on August 24, 2011
USAVWAGE	U.S. Average Wage Source: Statistical Abstracts of the United States for various years.
USUNEMP	U.S. Unemployment Rate Source: Statistical Abstracts of the United States for various years.

NATLYEAR Data file: Variable Notes and Sources

Variable	Notes and Sources
TOTUSEMP	Total U.S. Civilian Employment Note: Numbers through 1966 age 14+; after 1966 age 16+. Source: Statistical Abstracts of the United States for various years.