

Table 11. Error Statistics for the Forecasted Number of Immigrants Net of Emigration for the Total US Resident Population: 1963 to 1999.

[Resident population]

Forecast Period	Individual Series (By Base Year)												Multiple Series
	1963	1966	1969	1970	1972	1974	1976	1982	1986	1991	1992	1994	
Five years													
MPE (%)	(22.23)	(10.07)	(7.14)	(7.47)	(9.03)	(22.41)	(35.22)	(28.52)	(21.59)	(1.58)	(1.04)	(8.38)	(20.79)
MAPE (%)	22.23	10.27	7.96	8.29	9.84	22.41	35.22	28.52	24.01	6.02	5.48	8.38	21.13
MdAPE (%)	24.62	11.70	2.04	2.04	6.76	23.81	35.06	30.61	17.84	6.09	6.09	4.67	19.35
RMSE	102,218	63,204	58,445	62,782	65,542	142,743	271,040	184,491	276,493	70,267	59,906	92,414	189,197
RMSE Naïve	54,944	41,180	49,723	91,459	64,866	149,788	245,622	49,605	210,064	91,180	128,113	100,299	145,237
Ten years													
MPE (%)	(27.33)	(8.09)	(14.77)	(17.82)	(23.91)	(30.40)	(35.13)	(33.69)	(31.24)				(36.53)
MAPE (%)	27.33	8.59	15.18	18.23	24.32	30.40	35.13	33.69	32.45				36.53
MdAPE (%)	26.91	5.07	14.25	14.25	27.66	32.28	33.92	31.98	38.53				35.06
RMSE	130,256	60,460	109,067	174,352	205,406	222,383	246,596	293,748	329,232				321,813
RMSE Naïve	78,158	48,212	78,830	132,608	204,651	229,378	219,918	183,427	222,725				244,045
Fifteen years													
MPE (%)	(30.30)	(17.13)	(22.65)	(23.73)	(28.10)	(33.68)	(37.28)	(38.92)					(44.64)
MAPE (%)	30.30	17.47	22.92	24.00	28.37	33.68	37.28	38.92					44.64
MdAPE (%)	30.07	13.61	23.81	31.51	32.45	35.06	38.32	36.80					42.91
RMSE	153,830	164,087	184,684	193,284	215,297	239,604	280,327	352,272					357,351
RMSE Naïve	101,711	134,951	148,298	127,309	214,459	246,936	254,173	230,613					304,553
Twenty years													
MPE (%)	(36.28)	(21.61)	(27.04)		(32.48)	(37.77)	(41.77)						(50.16)
MAPE (%)	36.28	21.86	27.25		32.69	37.77	41.77						50.16
MdAPE (%)	34.64	22.99	32.28		33.92	38.91	39.74						50.00
RMSE	231,952	179,534	209,551		279,627	313,470	349,784						423,619
RMSE Naïve	183,119	143,108	168,448		278,807	320,495	323,787						400,816

Note: Negative values are denoted in parenthesis.

Source: Population Projections Program, Population Division, US Census Bureau: May 2000

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