LIFETIME MIGRATION TRENDS OF ADULTS IN THE UNITED STATES

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MIGRATION IN THE NEWS

MIGRATION NEWS: MICHIGAN

Migration out of Michigan halts, moving data shows

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By ASSOCIATED PRESS

ST. LOUIS (AP) - A new study by the nation's largest moving company indicates that migration out of Michigan has finally slowed to a virtual halt.

Suburban St. Louis-based United Van Lines released its 37th annual migration study to The Associated Press. The company tracks the states its customers move to and from over the course of a year. It includes Washington, D.C., but excludes Alaska and Hawaii.

Credit http://www.unitedvanlines.com
Migration map

Enlarge image

For 2013, Oregon was the top moving destination with 63 percent of interstate moves inbound. New Jersey repeated as the state with the highest percentage of outbound moves, at 63 percent.

Michigan was about evenly balanced between inbound and outbound moves. The state had 16 years of outbound migration and was tops in outbound moves from 2006 through 2009.

TAGS: migration Midwest Migration #mobility

HOW TO MEASURE?

- Indirect
  - Net-migration
- Direct
  - Where did you live 5-years/1-year ago?
  - Current residence & place of birth

LIFETIME MIGRATION

- Place of Birth
- Current Residence

- Measures
  - Living in state of birth
  - Not living in state of birth
    - Out-migration from state (domestic only)
    - In-migration to state (domestic and foreign)
  - Attraction, Retention, Hot/Cold States

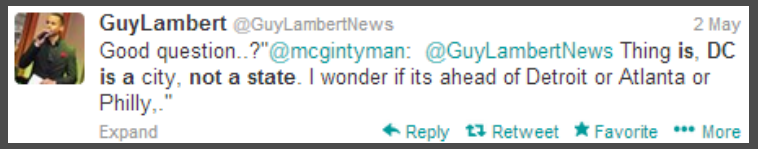
- Decomposition of College Graduates for states
  - Expected vs Actual in-migration of college graduates
  - Production/Retention; Attraction

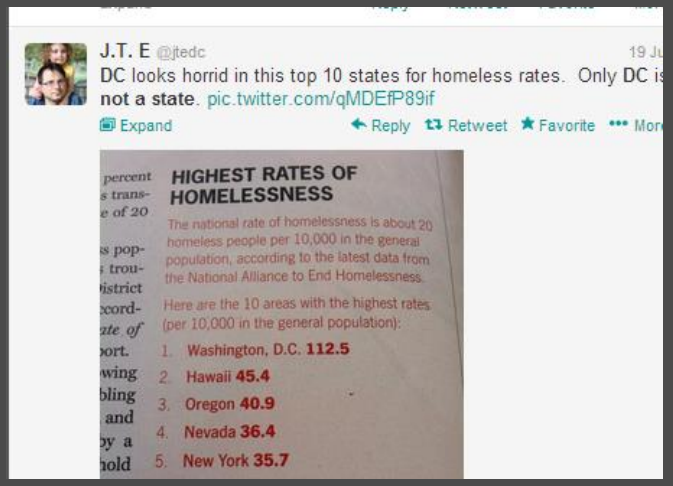
DATA & CONTROLS

- Adults
  - Working age (25 to 59)
  - Retirees (60+)
- Education
  - <HS
  - HS grads & some college
  - BA+
- ACS 2006-2010

GEOGRAPHY

- States, DC in calculations, but not rankings





ADULT POPULATION IN THE US ACCORDING TO LIFETIME MIGRATION STATUS: ACS 2006-2010

(IN MILLIONS)

Lifetime Migration	Population, 25+	25 to 59	60+
Living in state of birth	99.6	73.2	26.4
All Migrants	100.2	72.4	27.8
Migrant: Interstate	65.1	44.4	20.7
Migrant: From Abroad	35.0	27.9	7.1
TOTAL	199.7	145.6	54.2

EQUATIONS

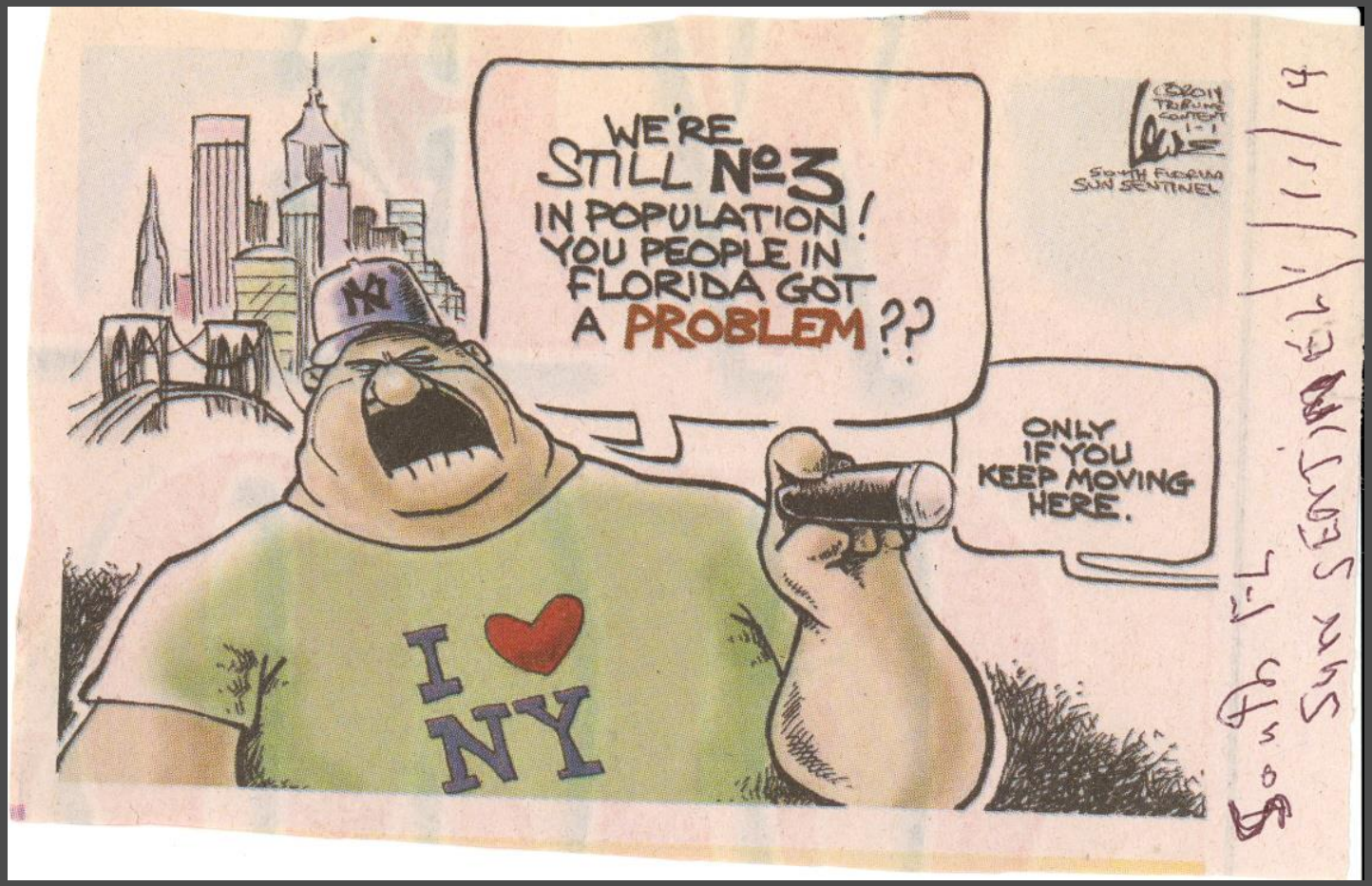
Term or Equation	Definition
B	The total number born in a state
E	The number of native born who leave
D	The number of in-migrants
C = B – E	The number of current residents who are native born
A = C + D	The total number of current residents
(B – E)/B	Retention: Current residents who are native born
D/A	Attraction: Current residents who are in-migrants
D – E	Net gain or loss from migration
(D – E)*100/A	Percent gain or loss from migration

LIFETIME MIGRATION DATA FOR SELECTED STATES (25 TO 59): 2006-2010

(IN THOUSANDS)

State	Total	Born in State		In-Migrants		Gain or Loss
	Residents	Resident	Out-Migrant	Domestic	Foreign	
NV	1,289	**130**	**141**	790	369	78.9
FL	8,588	2,089	1,181	4,001	2,498	61.9
AZ	1,156	681	440	1,560	620	60.8
CA	17,754	7,156	**3,594**	**3,571**	**7,027**	39.5
GA	4,632	2,076	864	1,867	690	36.5
TX	11,577	5,695	1,820	3,037	2,846	35.1
USA	**145,492**	**73,195**	**44,438**	**44,438**	**27,858**	**19.2**

WE'RE NUMBER 3



LIFETIME MIGRATION DATA FOR SELECTED STATES (25 TO 59): 2006-2010

(IN THOUSANDS)

State	Total	Born in State		In-Migrants		Gain or Loss
	Residents	Resident	Out-Migrant	Domestic	Foreign	
ND	298	194	257	93	11	-51.4
WV	879	596	553	264	18	-30.7
IA	1,387	947	787	352	88	-25.1
LA	2,094	1,564	884	408	123	-16.9
OH	5,463	3,972	2,150	1,185	307	-12.1
MI	4,725	3,501	1,765	835	389	-11.4
NY	9,365	5,211	4,229	1,207	**2,947**	-0.8
IL	6,169	3,649	2,567	1,274	**1,246**	-0.8
USA	**145,492**	**73,195**	**44,438**	**44,438**	**27,858**	**19.2**

RETENTION RATES FOR 25-59: BEST/WORST TOTAL AND COLLEGE EDUCATED

State	Total		State	BA+
Alaska	26.2		Alaska	16.2
Wyoming	36.6		Wyoming	25.4
North Dakota	43.0		Delaware	34.4
South Dakota	45.6		North Dakota	34.4
Montana	47.8		South Dakota	35.0
USA	**62.2**		**USA**	**52.1**
Minnesota	68.0		Georgia	58.5
Wisconsin	68.9		Minnesota	58.8
Georgia	70.6		North Carolina	61.3
North Carolina	72.2		California	65.2
Texas	75.8		Texas	69.4

ATTRACTION RATES FOR 25-59: BEST/WORST TOTAL AND COLLEGE EDUCATED

State	Total Rate		State	BA+
Louisiana	25.3		Louisiana	34.0
Michigan	25.9		Michigan	35.0
Ohio	27.3		Ohio	37.2
Pennsylvania	29.4		Pennsylvania	38.2
Iowa	31.7		Mississippi	38.4
USA	**49.7**		**USA**	**57.5**
Colorado	69.8		New Hampshire	77.7
Alaska	75.3		Florida	80.9
Florida	75.7		Arizona	82.9
Arizona	76.2		Alaska	85.6
Nevada	89.9		Nevada	91.0

HOT & COLD STATES

RETAIN \ ATTRACT	1Q	2Q	3Q	4Q
1Q	**ND**	SD, KS	MT	ID,WY, AK, NV
2Q	IA, WV	NE,ME, NY,RI	HI,VT, NM,NJ	DE,NH, CO
3Q	LA,MS, IN,MO	IL,MA, AL,OK	CT,VA	MD,WA, OR,FL,AZ
4Q	MI,OH,PA, WI,KY, AL,MN	TN,SC,UT	NC,TX, GA,CA	**HOLY GRAIL**

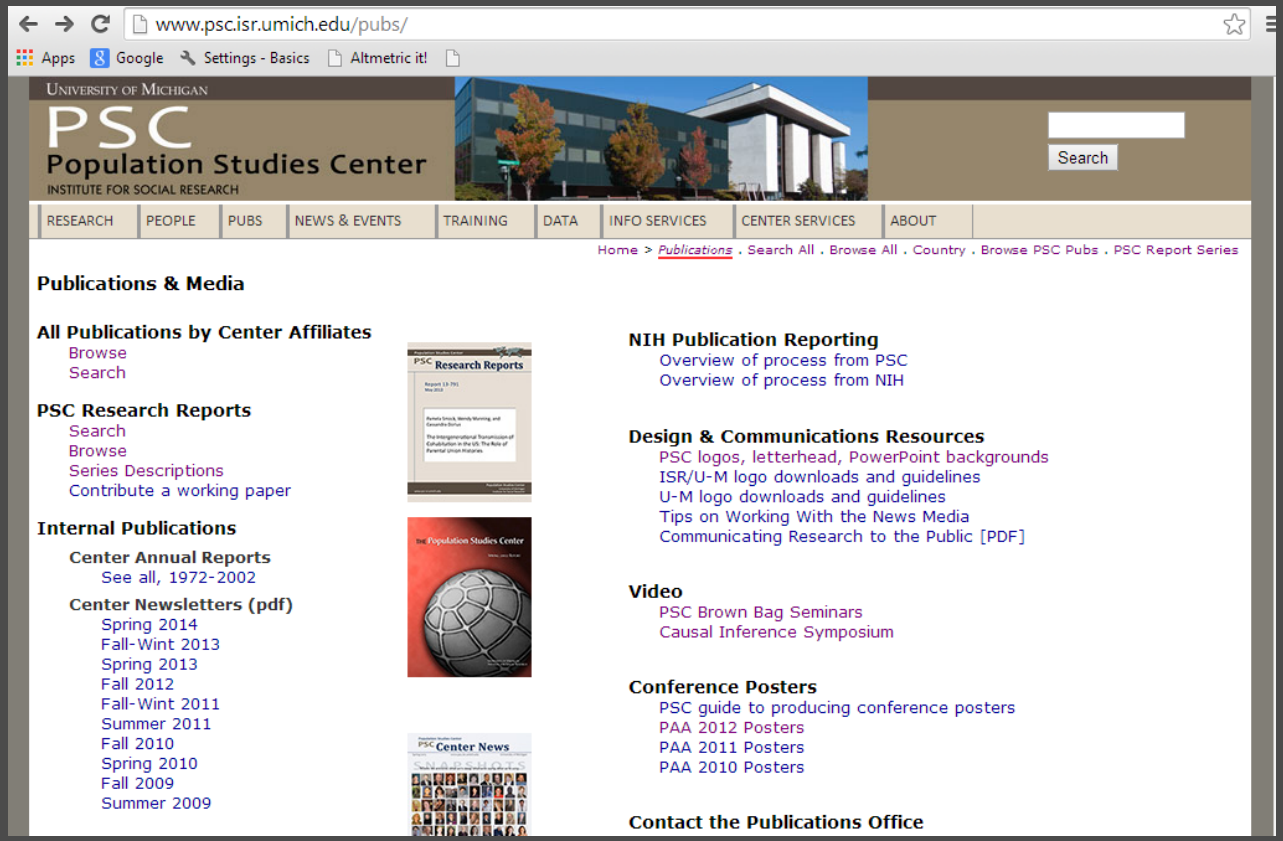
EQUATIONS: EXPECTED NUMBER OF COLLEGE IN-MIGRANTS FOR A STATE

Term	Concept	Definition	California
S	Relative size of a state	States' share of the US population in 1990	.1197
T	College graduates at risk of moving to state *i*	[Total number of domestic + foreign migrants, BA+ for US] – [out-migrants from state *i* with a BA+]	[17,009,032 + 8,009,081] - [3,593,764]
U	Expected number of BA+ in-migrants	S x T	2,864,454

MEASURES OF EXPECTED COLLEGE IN-MIGRATION FOR SELECTED STATES (AGE 25 TO 59)

State	Actual	Expected	Actual – Expected	Gain | Loss ÷ Expected	Gain | Loss ÷ College Pop 2006-2010
NV	257,808	119,897	136,911	2.14	48.5
AZ	631,440	356,761	256,679	1.73	34.9
GA	937,377	642,943	294,434	1.46	26.9
FL	1,888,371	1,280,296	608,074	1.48	26.1
CA	**3,452,528**	**2,864,454**	**588,074**	**1.21**	**10.7**
TX	1,770,316	1,668,569	101,747	1.06	3.5
NY	1,537,076	1,670,588	-133,512	0.92	-4.1
IL	966,656	1,104,303	-137,646	0.88	-6.7
IA	152,444	276,354	-123,910	0.55	-32.1
MI	451,959	909,255	-457,296	0.50	-35.4
WV	68,647	178,989	-110,522	0.39	-66.2

PAPER & TABLES



CONCLUSIONS

- Analysis of lifetime migration
  - Useful adjunct to other migration studies
    - including international data via IPUMS*i*
  - No over-interpretation of short-term fluctuations
- Data-driven policies
  - How well is state retaining its talent?
  - How well is state attracting talent from other states/abroad?
  - Understanding the magnitude of the production/retention of college graduates
- Weaknesses
  - Many, but also shared by other migration analyses.