

Educational Investment VS. Returns in Job and Income

* The Case of Koreans in the U.S.

* ACS Data: Presented by Yoon M. Lee, Ph.D.

* Hansa Institute

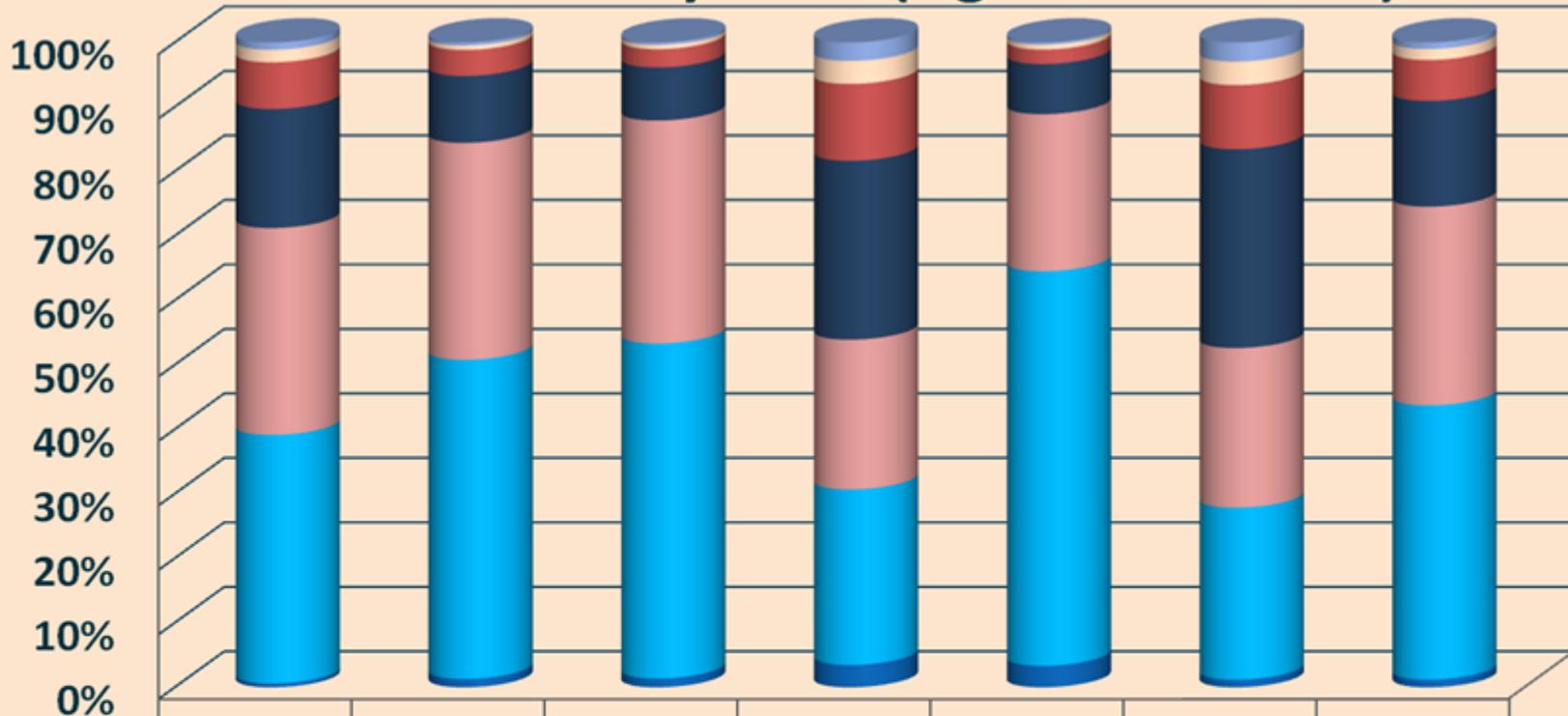
POPULATION OF AGE & OLDER

EDUCATIONAL ATTAINMENTS :

KOREAN V. OTHERS: AGE 18 & OLDER

	Korean		U.S. Total	
	U.S.-Born	Foreign-Born	U.S.-Born	Foreign-Born
Underage /No Educ.	358	12,324	1,285,803	1,431,993
Hschool or Under	22,084	263,912	78,035,304	19,462,684
Some College	52,681	212,565	62,593,601	8,022,813
Bachelor	44,316	286,243	31,776,816	5,818,982
Masters	11,594	95,005	12,093,846	2,460,748
Professional Degree	8,080	30,952	3,143,030	743,106
Doctoral Degree	2,484	29,246	1,696,342	633,238
Sum	141,597	930,247	190,624,742	38,573,564
Total Age 18 =+		1,071,844		229,198,306

Educational Attainment by Race (Age 18 or Older)

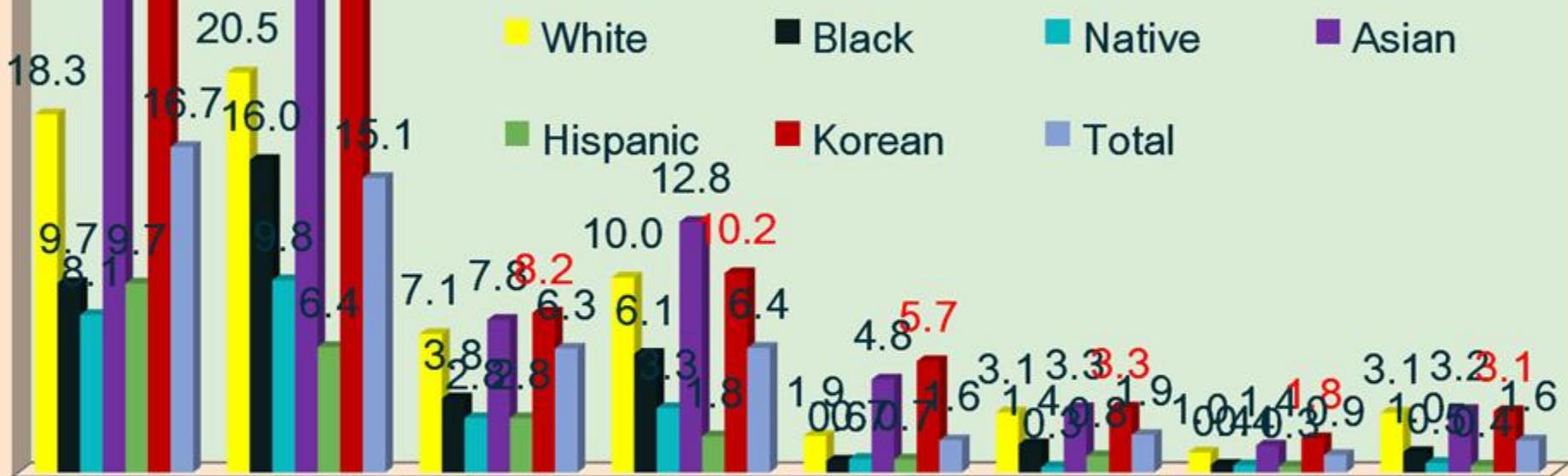


	White	Black	Native	Asian	Hispan	Korean	Total
Doctoral	1.1	0.5	0.4	2.9	0.3	3.0	1.0
Professional	1.9	0.7	0.6	3.6	0.8	3.6	1.7
Masters	7.2	4.0	2.8	11.9	2.2	9.9	6.4
Bachelor	18.5	10.4	8.2	27.7	7.8	30.8	16.4
Some College	32.1	33.6	34.6	23.2	24.4	24.7	30.8
Hiscchool =<	38.5	49.5	52.0	27.2	61.2	26.7	42.5
Underage/No Ed.	0.6	1.3	1.4	3.5	3.3	1.2	1.2

Educational Attainment by Race-Ethnicity: %

by U.S-Born v. Foreign-Born

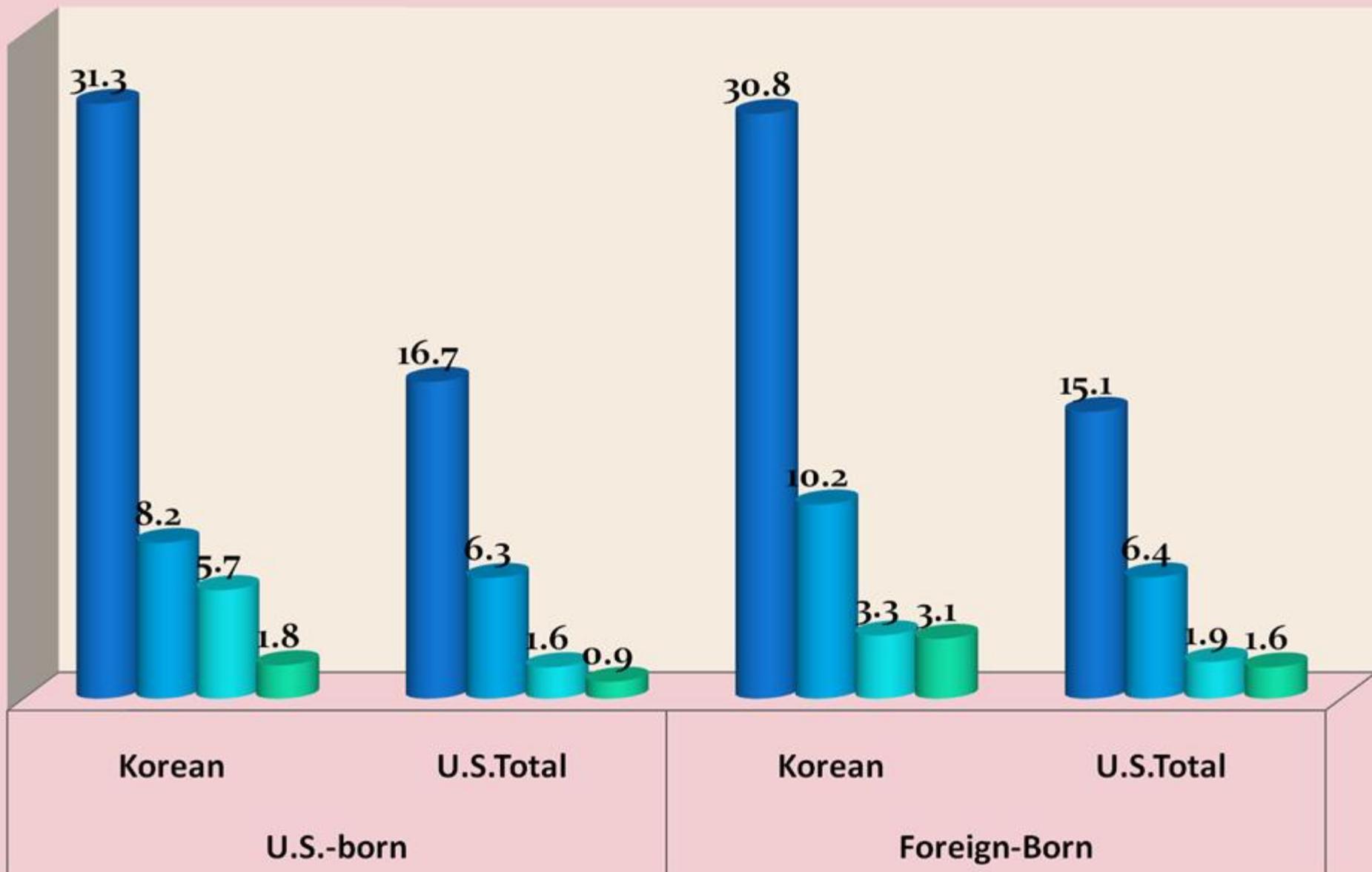
Age 18 or Older



Education Level	Origin	White	Black	Native	Asian	Hispanic	Korean	Total
Bachelor	U.S.-born	18.3	9.7	8.1	28.9	9.7	31.3	16.7
	Foreign-born	20.5	16.0	9.8	27.5	6.4	30.8	15.1
Masters	U.S.-born	7.1	3.8	2.8	7.8	2.8	8.2	6.3
	Foreign-born	10.0	6.1	3.3	12.8	1.8	10.2	6.4
Professional	U.S.-born	1.9	0.6	0.7	4.8	1.6	5.7	1.6
	Foreign-born	3.1	1.4	0.8	3.3	1.9	3.3	1.9
Doctoral Degree	U.S.-born	1.0	0.4	0.3	1.4	0.9	1.8	0.9
	Foreign-born	3.1	1.0	0.5	3.2	0.4	3.1	1.6

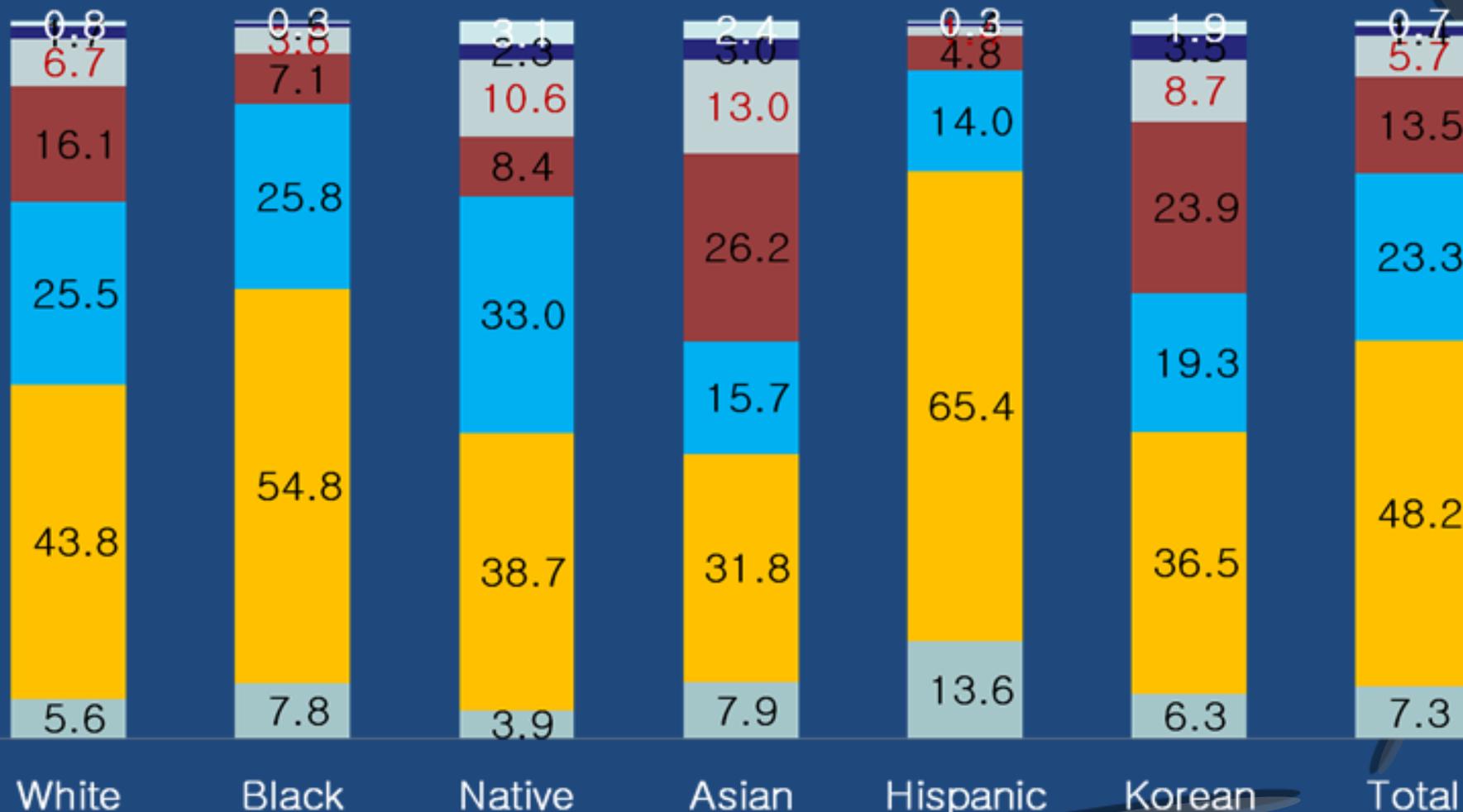
% of College Graduates by Nativity: Age 18 or Older

■ Bachelor ■ Masters ■ Professional Degree ■ Doctoral Degree



Educational Attainment by Ethnicity in IL.

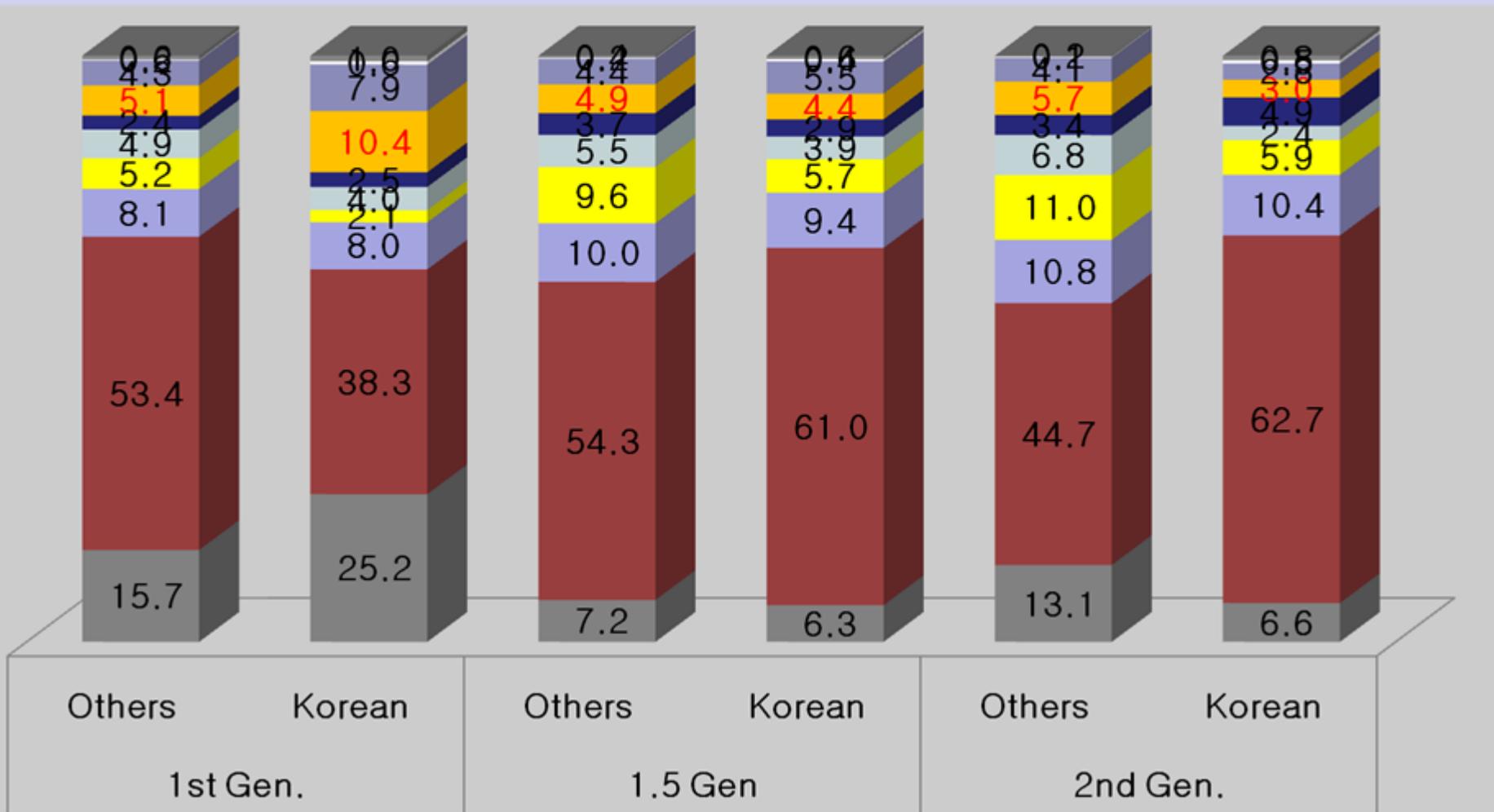
- Underage or No Schooling
- Hischool or Under
- Some College
- Bachelor
- Masters
- Professional Degree
- Doctoral Degree



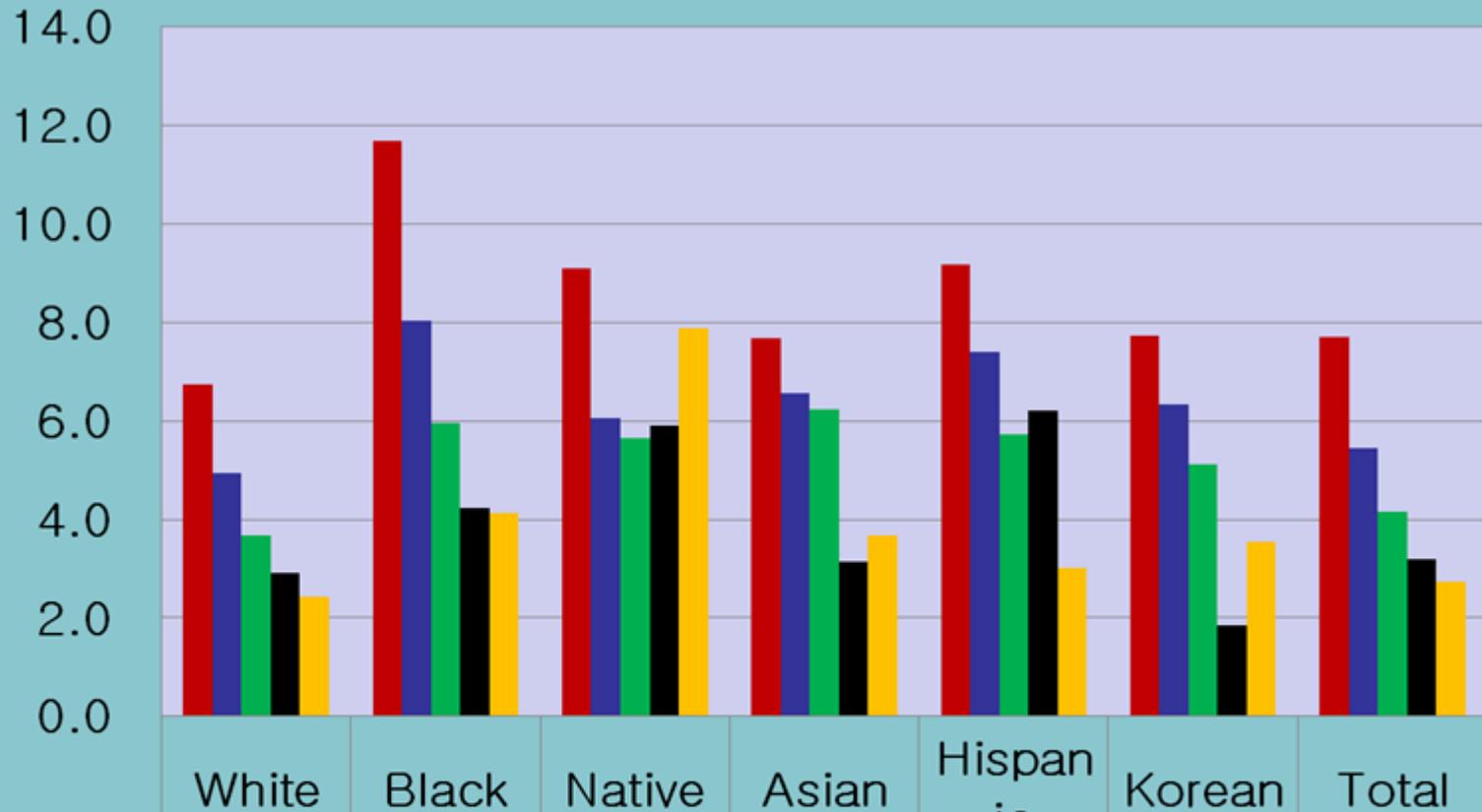
EMPLOYMENT OF COLLEGE GRADUATES: AGE 18 & OLDER

Employment Pattern of Koreans v. Others for All

- Under aged/ Not in Labor Force
- Employee of a private for-profit co.
- Employee of non-profit or charity
- Local government employee
- State government employee
- Federal government employee
- Self-employed in own not incorporated
- Self-employed in own incorporated
- Unpaid family business or farm
- Unemployed: Not worked 5 years



Looked for Work: % by Educational Level by Ethnicity



■ Some College	6.7	11.7	9.1	7.7	9.2	7.7	7.7
■ Bachelor	4.9	8.0	6.0	6.6	7.4	6.3	5.5
■ Masters	3.7	6.0	5.7	6.2	5.7	5.1	4.2
■ Professional Degree	2.9	4.2	5.9	3.1	6.2	1.8	3.2
■ Doctoral Degree	2.4	4.1	7.9	3.7	3.0	3.6	2.7

1.5 & 2nd Generation College Graduates

4Yr. College Graduates (Foreign-Born & 2nd Generations).

	Foreign-Born	2nd Generation	Total
Others	2,951,160	50,060,978	53,012,138
Korean	119,349	73,071	192,420
Total	3,070,509	50,134,049	53,204,558

Person at Work: 4Yr. College Graduates

	Others	Korean
Bachelor (N)	34,415,042	125,706
%	72.3	67.4
Master's (N)	13,212,676	40,823
%	71.7	70.9
Professional (N)	3,434,224	13,401
%	77.7	80.4
Doctoral degree (N)	1,950,196	12,490
%	74.9	85.6
Total N	51,062,086	180,068

Non-Working College Graduates

	Unemployed	Not in Labor Force	Total
Others	1,908,580	11,513,480	13,422,060
Korean	9,512	44,419	53,931
Total	1,918,092	11,557,899	13,475,991

When Last Worked ?

	Worked last year	No	Worked 1-5 Years Ago	Total
Others	3,189,725	6,928,561	3,303,774	13,422,060
Korean	11,206	30,105	12,620	53,931
Total	3,200,931	6,958,666	3,316,394	13,475,991

Looked for Work in Lat 1 year WITH BACHELOR'S or HIGER DEGREE

	Did not look for work	Looked for work	Not reported	Total
Others	10,739,022	1,910,658	772,380	13,422,060
Korean	41,480	9,813	2,638	53,931
	10,780,502	1,920,471	775,018	13,475,991

Generation		In school (N)	In school (%)	Not in school	Total Non-Working
1.5 Gen.	Others	60,147	14.0	369,446	429,593
	Korean	5,714	20.3	22,433	28,147
	Total	65,861	14.4	391,879	457,740
2nd Gen.	Others	820,389	9.7	7,619,960	8,440,349
	Korean	5,233	49.1	5,423	10,656

N OF NON-WORKING CG BY MAJORS

(FIELDS OF 4 YEAR COLLEGE OR HIGHER DEGREE)

Top 20 Competitive Major Fields	Others	Korean	Total
Arts(Fine Arts, Music, Literature, Drama, Dance)	564,483	8,385	572,868
Business	2,271,137	5,484	2,276,621
Social Sciences	1,003,117	5,314	1,008,431
Education Administration and Teaching	2,813,142	5,108	2,818,250
Engineering	888,014	3,770	891,784
Biology and Life Sciences	485,431	3,186	488,617
English Language, Literature	587,638	2,872	590,510
Psychology	619,272	2,657	621,929
Linguistics and Foreign Languages	164,990	2,121	167,111
Medical and Health Sciences and Srvs.	798,643	2,095	800,738
Family and Consumer Sciences	164,875	1,697	166,572
Physical Sciences	315,395	1,650	317,045
Mathematics and Statistics	239,857	1,258	241,115
Computer and Information Sciences	162,761	1,206	163,967
History	378,921	1,139	380,060
Communications	390,152	800	390,952

NON-WORKING 4YR CG BY MAJORS

(COLUMN % AND UNEMPLOYMENT RATE)

Top 20 Competitive Major Fields	Others	Korean	Total	Unemp
Arts (Fine Arts, Music, ...Literature, Drama)	4.2	15.5	4.3	5.9
Business	16.9	10.2	16.9	4.3
Social Sciences	7.5	9.9	7.5	4.0
Education Administration and Teaching	21.0	9.5	20.9	2.1
Engineering	6.6	7.0	6.6	3.5
Biology and Life Sciences	3.6	5.9	3.6	2.6
English Language, Literature	4.4	5.3	4.4	4.0
Psychology	4.6	4.9	4.6	3.9
Linguistics and Foreign Languages	1.2	3.9	1.2	3.8
Medical and Health Sciences and Srvs.	2.0	2.0	5.0	1.7

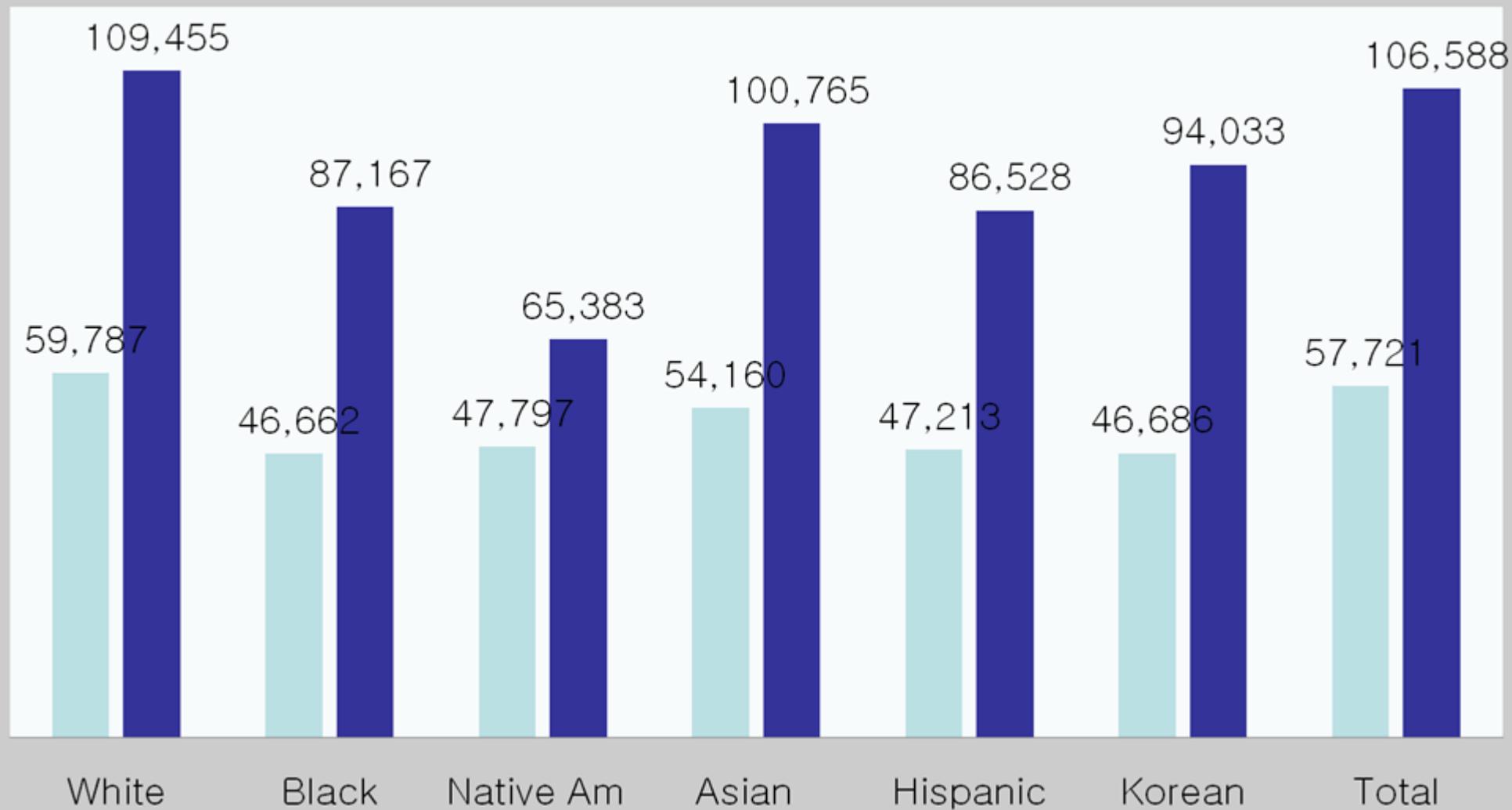
TOP 20 HIGH INCOME METRO AREAS

For 4 Year CG's at Work: Korean v. Others

Others Top 20	Mean	Korean To 20	Mean	N	% of Total
Stamford, CT	102,813	L.A.–Long Beach, CA	34,664	28,947	15.0
Houston–Brazoria, TX	61,866	New York–Northeastern NJ	61,482	15,040	7.8
Middlesex–Somerset, NJ	70,447	Orange County, CA	32,131	11,911	6.2
Chicago–Gary–Lake, IL	60,331	Washington, DC/MD/VA	30,633	10,842	5.6
Galveston–Texas City, TX	60,175	Bergen–Passaic, NJ	36,851	9,860	5.1
Boston, MA	62,829	Chicago–Gary–Lake, IL	38,987	8,085	4.2
Nassau Co, NY	65,477	San Jose, CA	62,696	6,316	3.3
Danbury, CT	70,489	Baltimore, MD	69,935	2,747	1.4
Rochester, MN	60,272	Not identifiable / Non MSA	30,736	6,018	3.1
Decatur, IL	61,771	Atlanta, GA	36,138	5,867	3.0
Jersey City, NJ	71,628	Seattle–Everett, WA	65,600	4,923	2.6

Average Wage for College Graduates by Ethnicity

4Yr College Prof or Ph.D.



Occupation Recoded	Others \$	Korean \$	Others N	Korean N	Other s %	Korean %
Legal Worker	97,288	114,692	1,390,085	8,866	3.1	5.1
Executive or Manager	87,515	79,512	7,253,609	28,465	16.3	16.3
Medical Professional	76,181	121,789	3,844,656	18,989	8.7	10.9
Engineer	73,305	92,293	1,517,357	5,297	3.4	3.0
Computer Worker	71,481	64,927	1,858,022	10,063	4.2	5.8
Financing Worker	69,305	74,936	2,338,080	12,080	5.3	6.9
Baseness Agent	61,652	85,820	1,711,069	6,563	3.9	3.8
Sales Worker	60,316	54,922	4,418,430	18,728	10.0	10.7
Scientist	58,006	49,570	993,940	5,218	2.2	3.0
Protective Service			738,335			

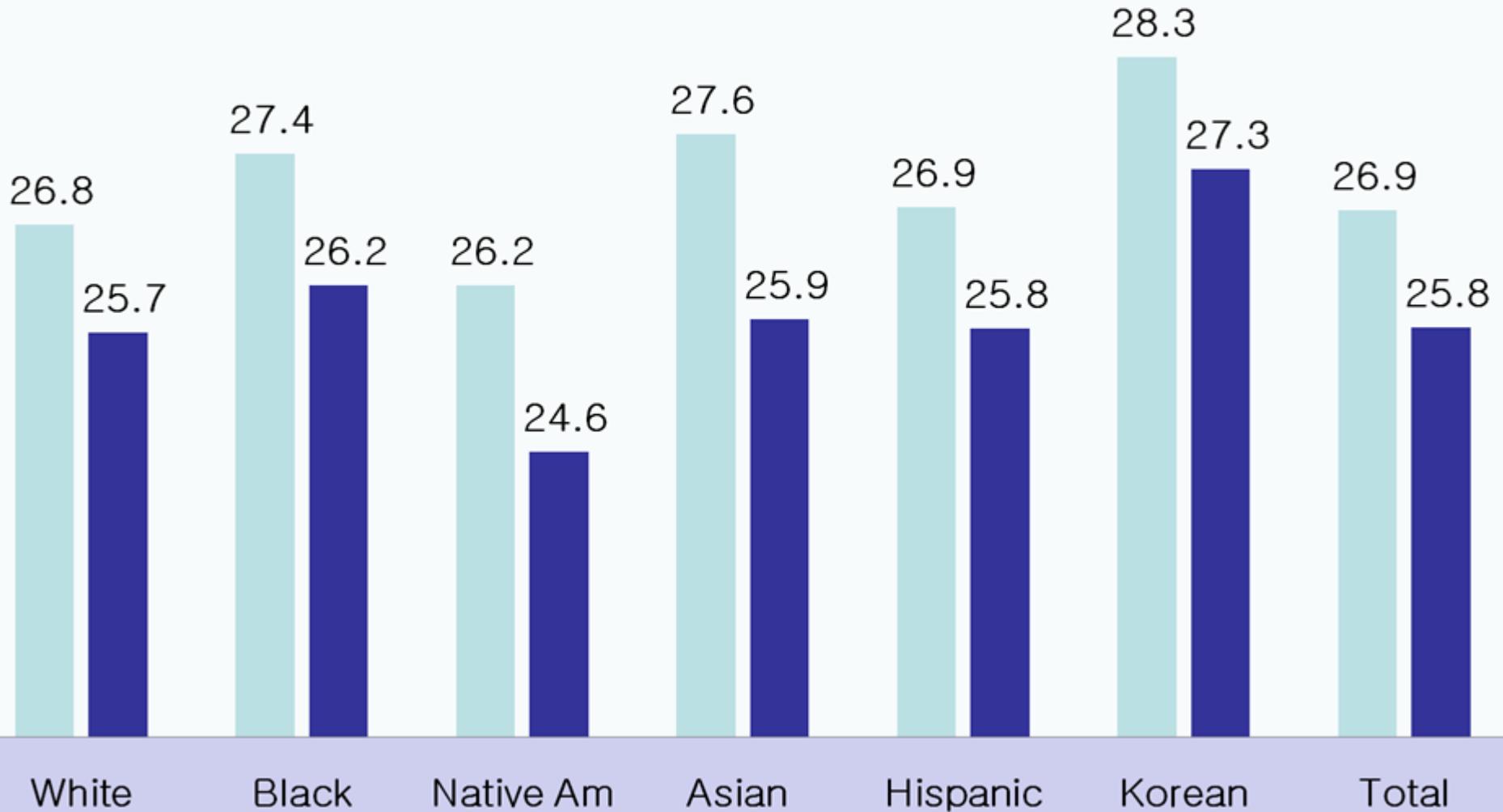
COLLEGE GRADUATES IN TOP 20 PAYING STATES

	Mean Wage/Salary		% of the Total CG's at Work	
State	Others	Korean	Others	Korean
District of Columbia	86,279	52,144	0.4	0.8
New Jersey	84,749	57,607	3.4	6.8
Connecticut	82,710	54,604	1.6	0.8
New York	78,514	74,030	7.3	10.6
Maryland	76,858	63,700	2.5	3.0
Virginia	74,620	38,474	3.2	4.9
Massachusetts	72,680	72,815	3.2	1.9
California	72,539	54,683	10.6	33.2
Illinois	71,016	47,787	4.8	4.6
Texas	67,834	40,016	7.0	3.9
Georgia	66,353	48,612	3.2	3.4
Washington	65,821	64,598	2.3	4.3
Delaware	65,268	96,495	0.3	0.5
Minnesota	65,049	180,768	2.2	0.5
Pennsylvania	64,827	36,822	4.4	2.1
Nevada	64,479	44,885	0.6	0.8
Rhode Island	64,324	71,177	0.4	0.3
Colorado	63,330	35,400	2.3	1.1
Arizona	62,801	59,694	1.8	1.9
Michigan	62,400	63,893	2.9	1.7
New Hampshire	62,285	58,397	0.6	0.1



Average Age at Marriage of 4 Year CG's by Ethnicity

Male Female

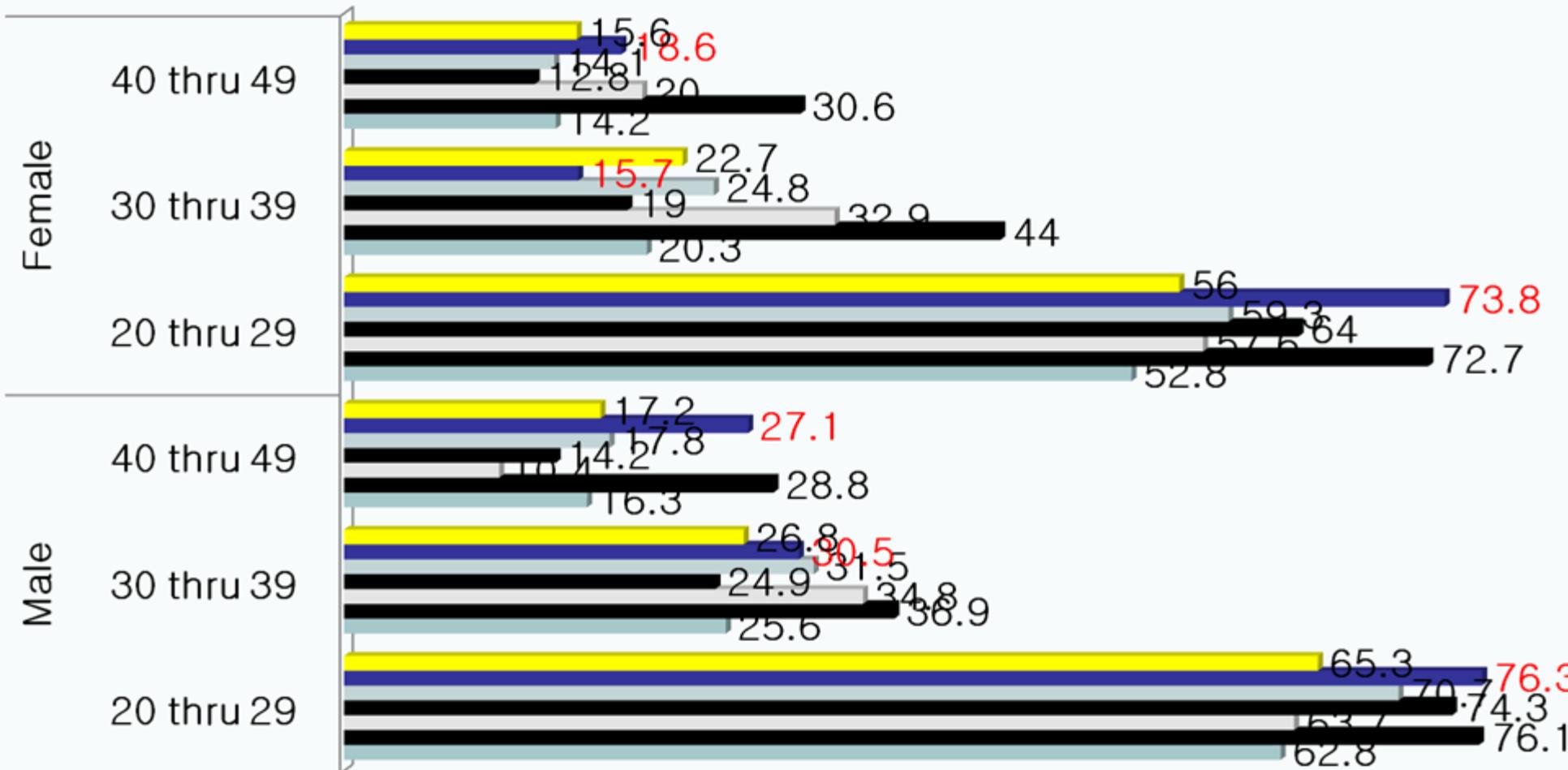


NEVER MARRIED/SINGLE

	Male			Female		
	20 thru 29	30 thru 39	40 thru 49	20 thru 29	30 thru 39	40 thru 49
White	1,242,908	1,025,183	75,616	1,305,653	950,738	72,308
Black	135,180	134,693	12,116	216,122	252,269	19,132
Native American	3,310	5,922	156	6,162	8,149	324
Asian Pacific	143,795	121,563	6,330	143,583	101,600	6,142
Hispanic	125,251	112,674	7,073	141,300	112,464	6,372
Korean	11,833	10,204	1,043	12,383	5,992	990
Total	1,662,277	1,410,239	102,334	1,825,203	1,431,212	105,268

Unmarried 4 Year College Graduates by Ethnicity: % by Age Group

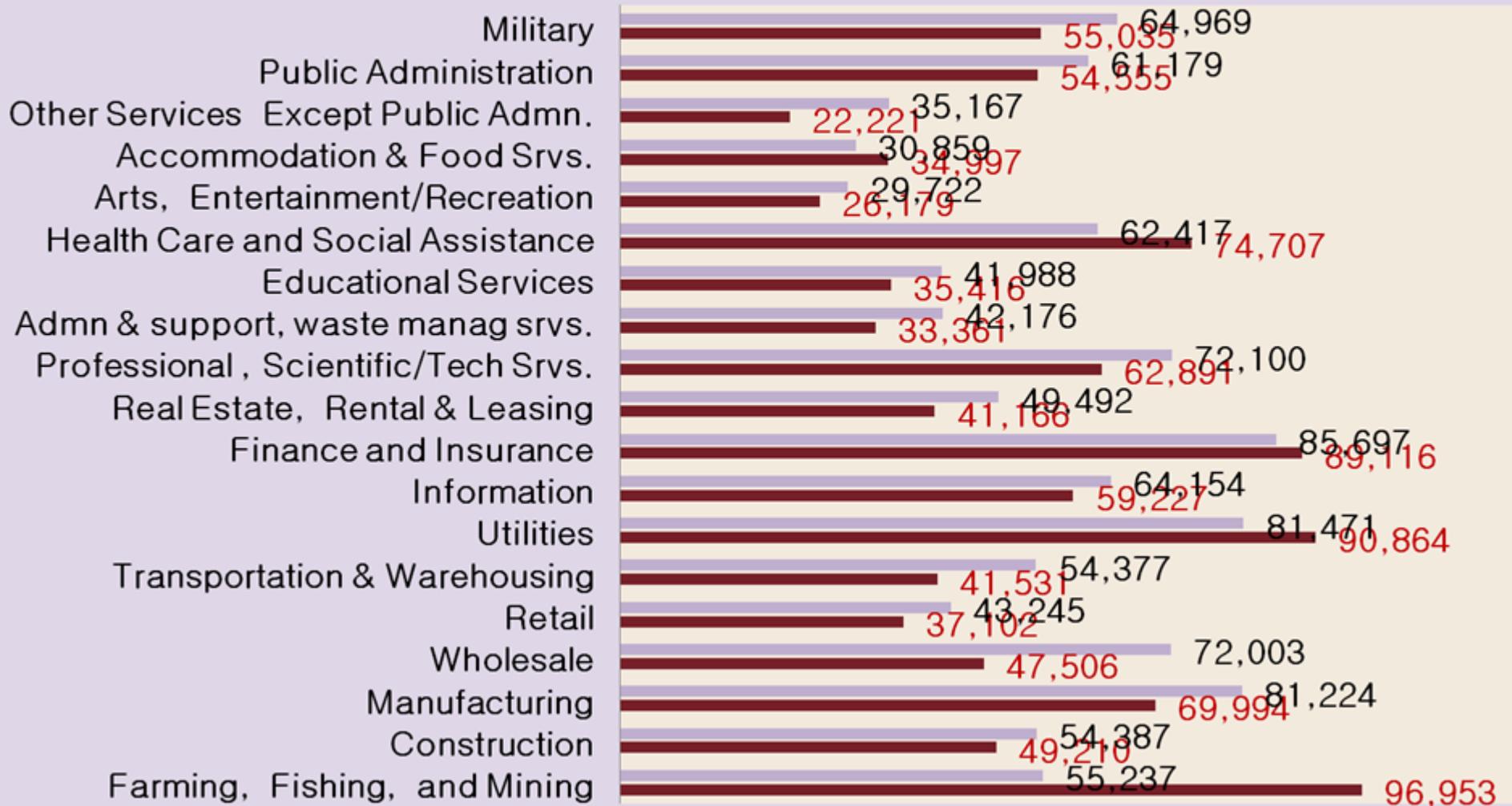
■ Total
 ■ Korean
 ■ Hispanic
 ■ Asian
 ■ Native Am
 ■ Black
 ■ White



U.S.-Born College Graduates

Average Wage by Industry by Race: U.S.-Born College Graduates

■ U.S. Total ■ Korean



U.S.-Born College Graduates Looked for Work

by Field of Major In Labor Force 2008-9

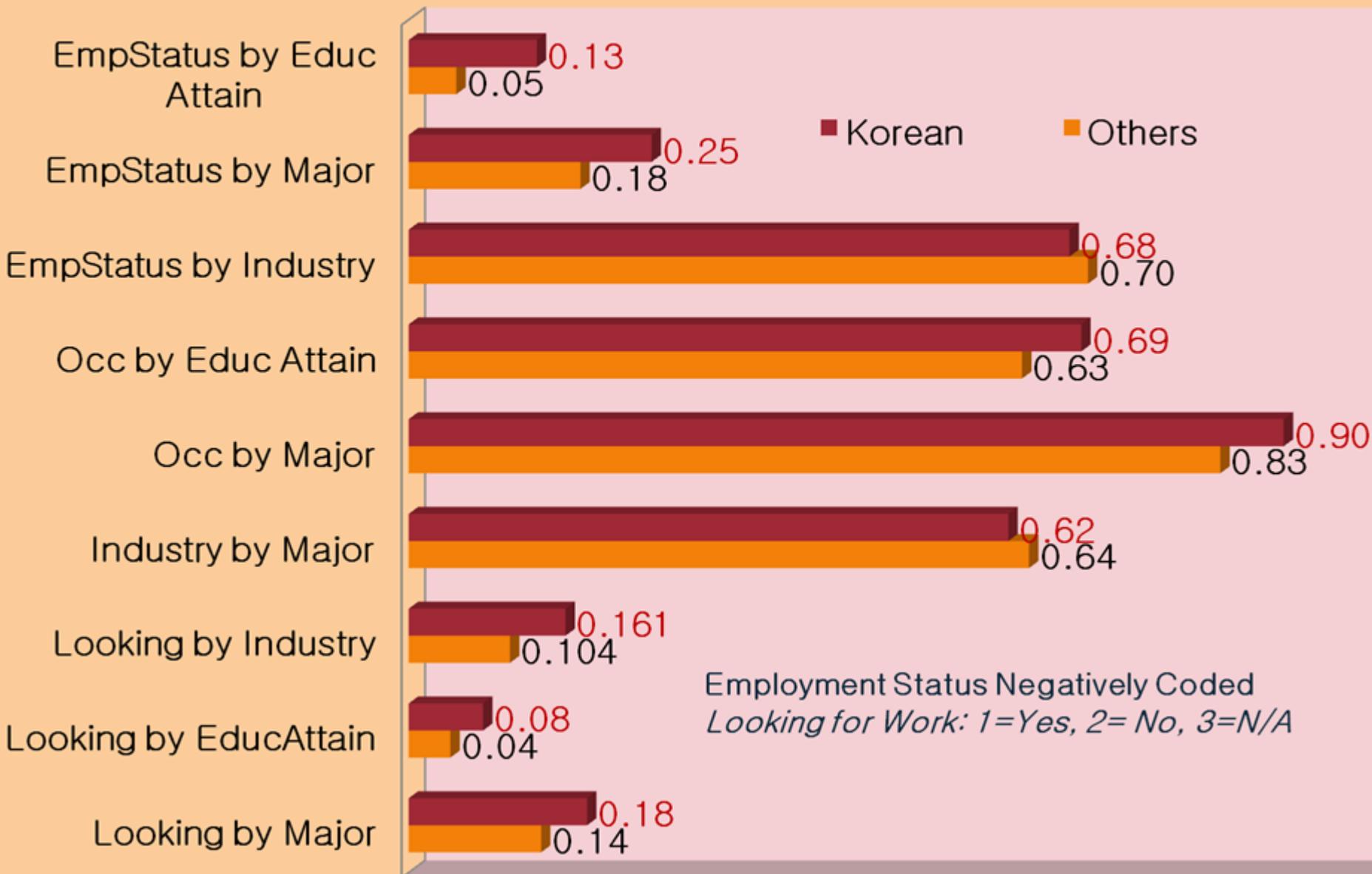
Yes, looked for work	Total in LF	Loked for work			
Field of degree		Others	Korean	Total	Ratio
Business	9,733,984	645,665	4,390	650,055	148
Social Sciences	3,596,869	234,934	2,592	237,526	92
Education Administration and Teaching	5,352,334	215,410	1,018	216,428	213
Engineering	3,659,373	209,585	2,930	212,515	73
Fine Arts	1,828,116	167,573	2,736	170,309	62
Communications	1,843,550	151,372	525	151,897	289
Psychology	2,182,233	142,304	1,211	143,515	119

U.S.-Born College Graduates Looked for Work

by Field of Major In Labor Force 2008-9

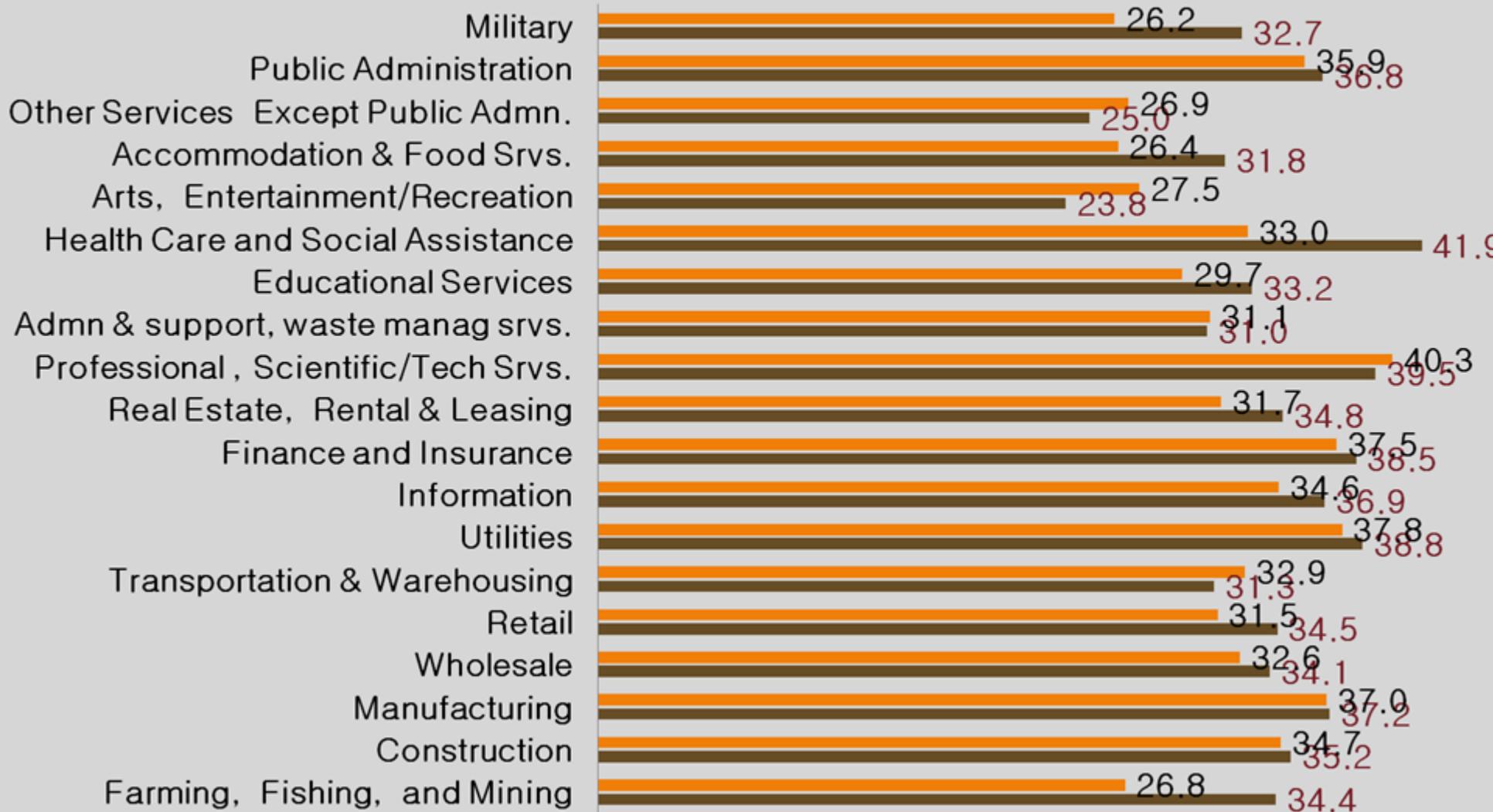
Yes, looked for work	Total in LF	Loked for work			
Field of degree [general version]		Others	Korean	Total	Ratio
Physical Sciences	1,044,581	47,038	566	47,604	84
Architecture	365,740	39,025	407	39,432	97
Mathematics and Statistics	654,286	37,048	848	37,896	45
Linguistics and Foreign Languages	467,261	30,362	1,189	31,551	27
Engineering Technologies	354,579	26,755	536	27,291	51
Physical Fitness, Recreation, & Leisure	389,498	25,023	75	25,098	335
Philosophy and Religious Studies	350,841	22,879	315	23,194	74
Agriculture	518,989	22,823	170	22,993	135
Family and Consumer Sciences	349,125	15,678	721	16,399	23
Theology and Religious Vocations	287,286	11,943	262	12,205	47
Area, Ethnic, and Civilization Studies					

Relationship between Education & Employment: Contingency Coefficients for U.S.-Born College Graduates



Occupational Income Score by Industry: Korean v. U.S. Total

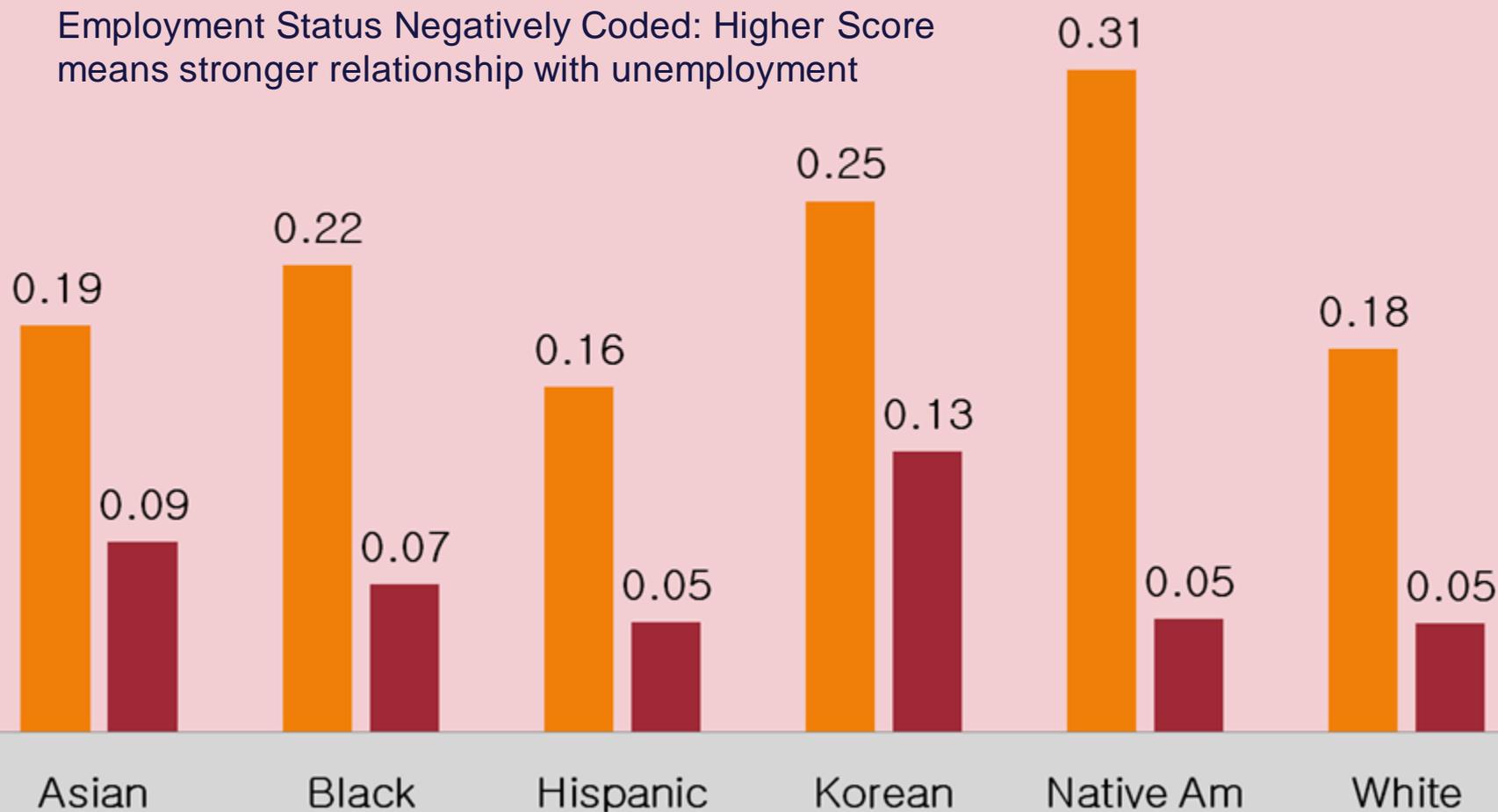
■ Occupational income score U.S. Total
 ■ Occupational income score Korean



Employment Status by Race of U.S.–Born CG's Contingency Coefficients

■ EmpStatus by Major ■ EmpStatus by EduAttain

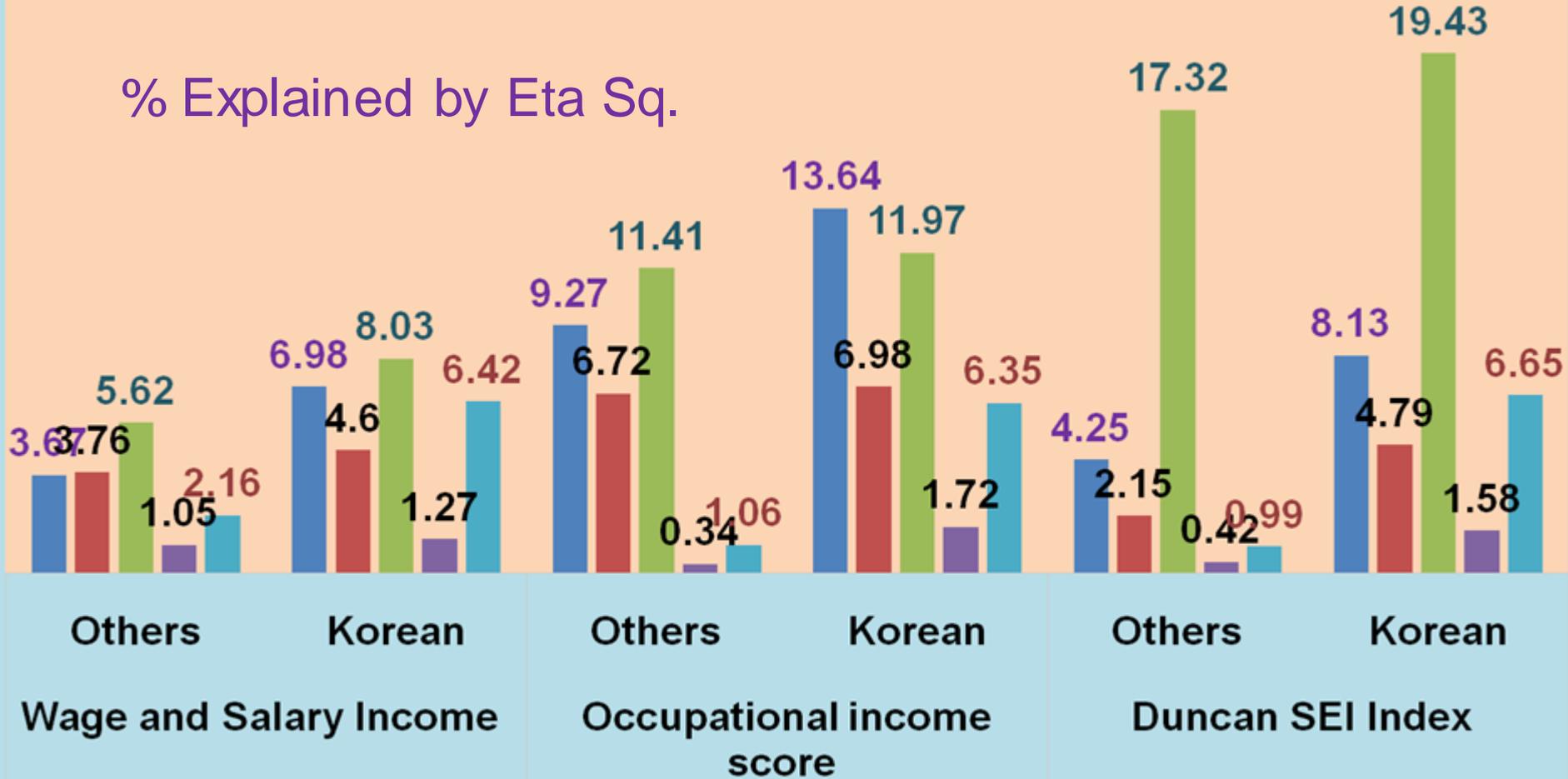
Employment Status Negatively Coded: Higher Score means stronger relationship with unemployment



VARIANCE IN AVERAGE INCOME/SEI FOR U.S.-BORN 4YR COLLEGE GRADUATES

■ Educational Level
 ■ Field of Degree
 ■ Industry
 ■ State
 ■ Metro Area

% Explained by Eta Sq.



LESSONS