Education Outcomes

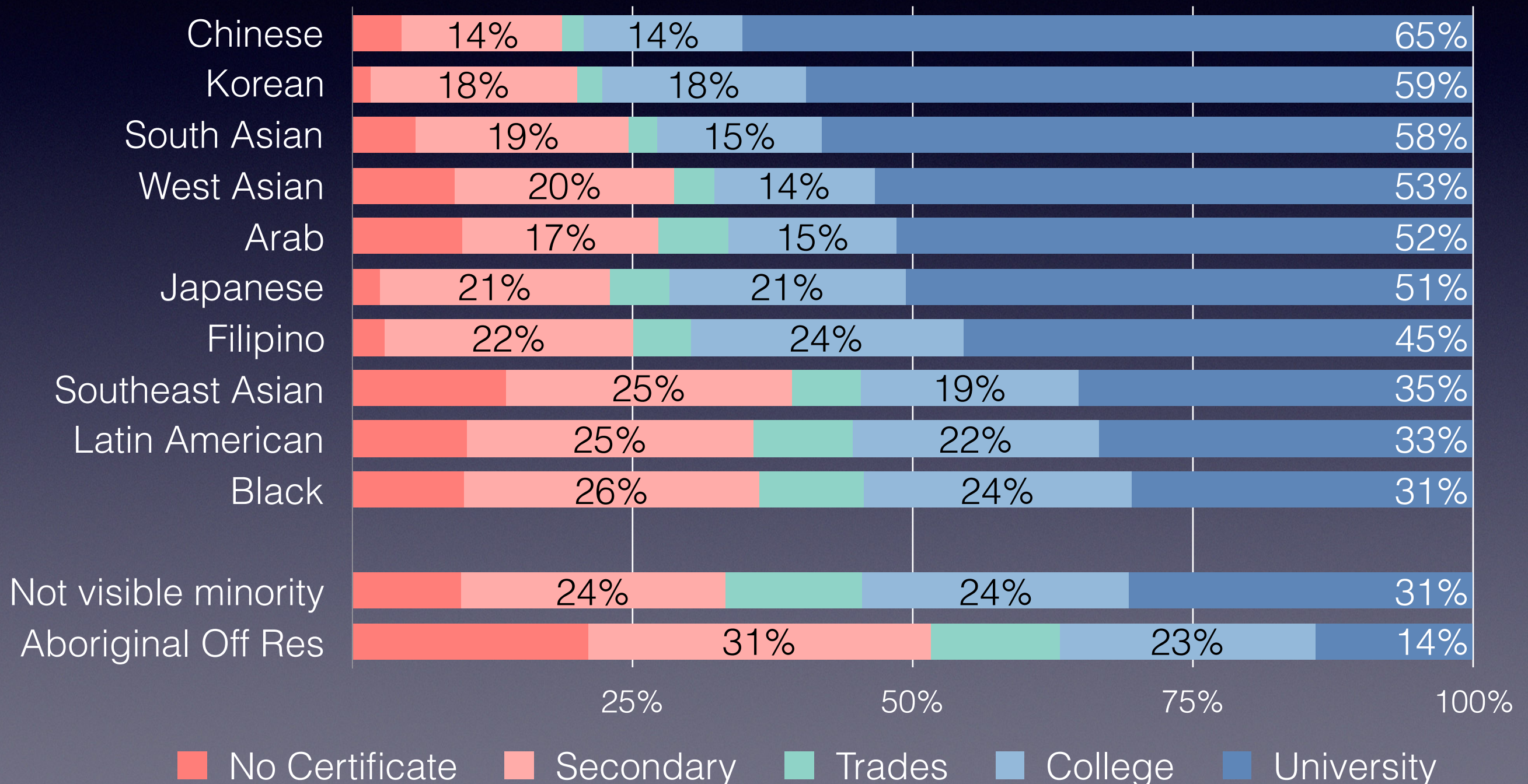## Canadian-born Visible Minorities 25-34

Andrew Griffith

December 2018

Agenda

- Relationship between education field of study and economic outcomes

  - Canadian-born visible minorities

  - 25 to 34 at university and college levels

  - Broken down by visible minority group

Education

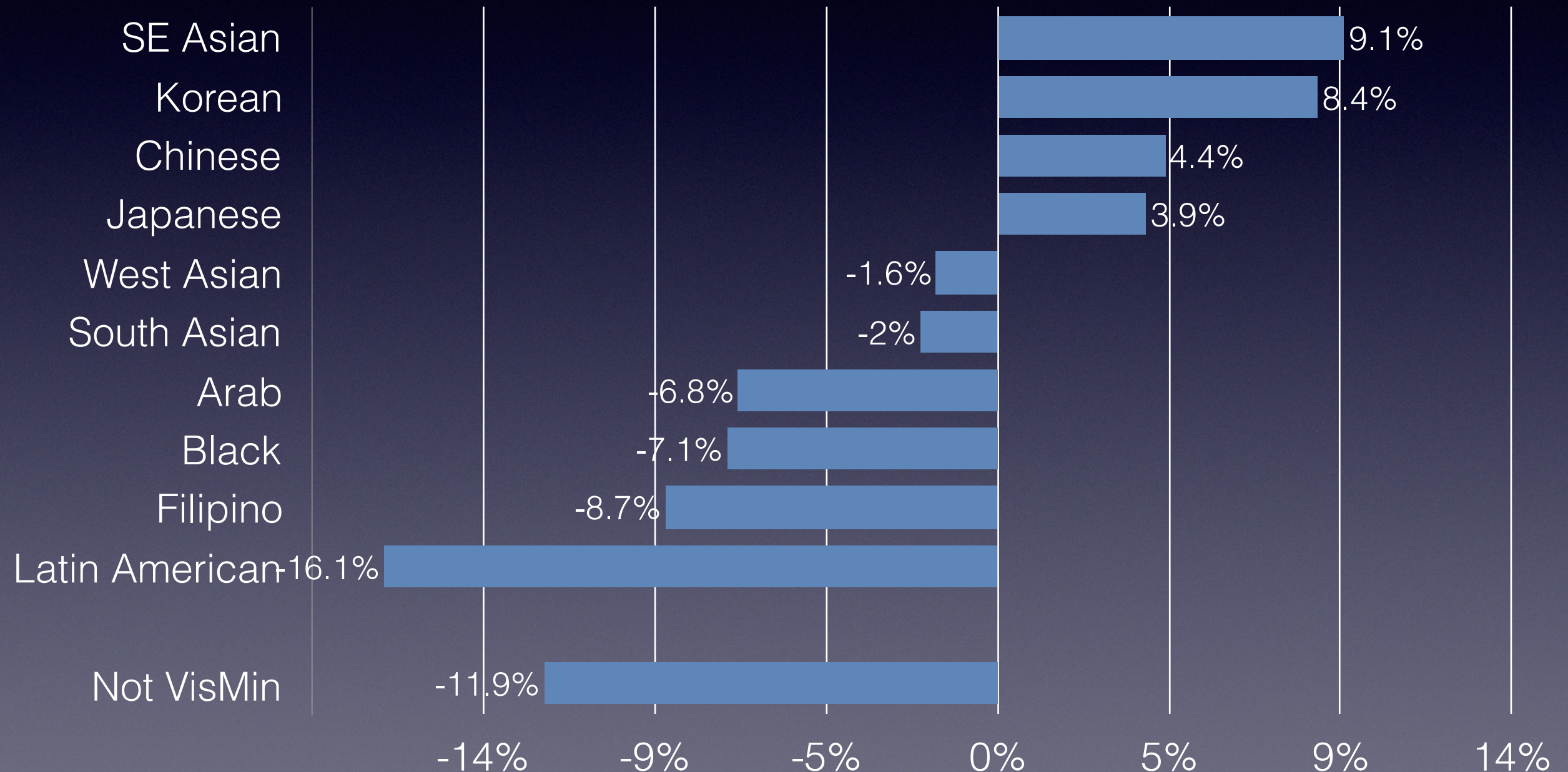## 25-34 All Generations, Men and Women — Census 2016

Group	No Certificate	Secondary	Trades	College	University
Chinese		14%		14%	65%
Korean		18%		18%	59%
South Asian		19%		15%	58%
West Asian		20%		14%	53%
Arab		17%		15%	52%
Japanese		21%		21%	51%
Filipino		22%		24%	45%
Southeast Asian		25%		19%	35%
Latin American		25%		22%	33%
Black		26%		24%	31%
Not visible minority		24%		24%	31%
Aboriginal Off Res		31%		23%	14%

No Certificate — Secondary — Trades — College — University

Education — Gender Difference

25-34 All generations — Census 2016

	No certificate	Secondary	Trades	College	University
South Asian	-0.4%	-2.9%	-1.5%	-0.8%	5.9%
Chinese	-0.7%	-4.4%	-1.1%	-1.7%	7.6%
Black	-1.9%	-10.2%	-2.3%	6.5%	6.8%
Filipino	-1.8%	-9.5%	-4.0%	-0.6%	14.8%
L American	-5.3%	-7.0%	-3.1%	5.3%	9.6%
Arab	1.2%	-2.1%	-2.0%	0.2%	1.6%
SE Asian	-1.5%	-5.9%	-0.8%	1.8%	5.8%
West Asian	0.2%	-6.0%	-1.5%	-1.3%	8.1%
Korean	-0.7%	-9.3%	-1.5%	-0.9%	10.7%
Japanese	-1.0%	-5.7%	-4.8%	4.0%	6.9%
Not VisMin	-4.1%	-6.8%	-9.4%	6.5%	12.8%

Highlighting: Green — 5 percent or more women over-representation
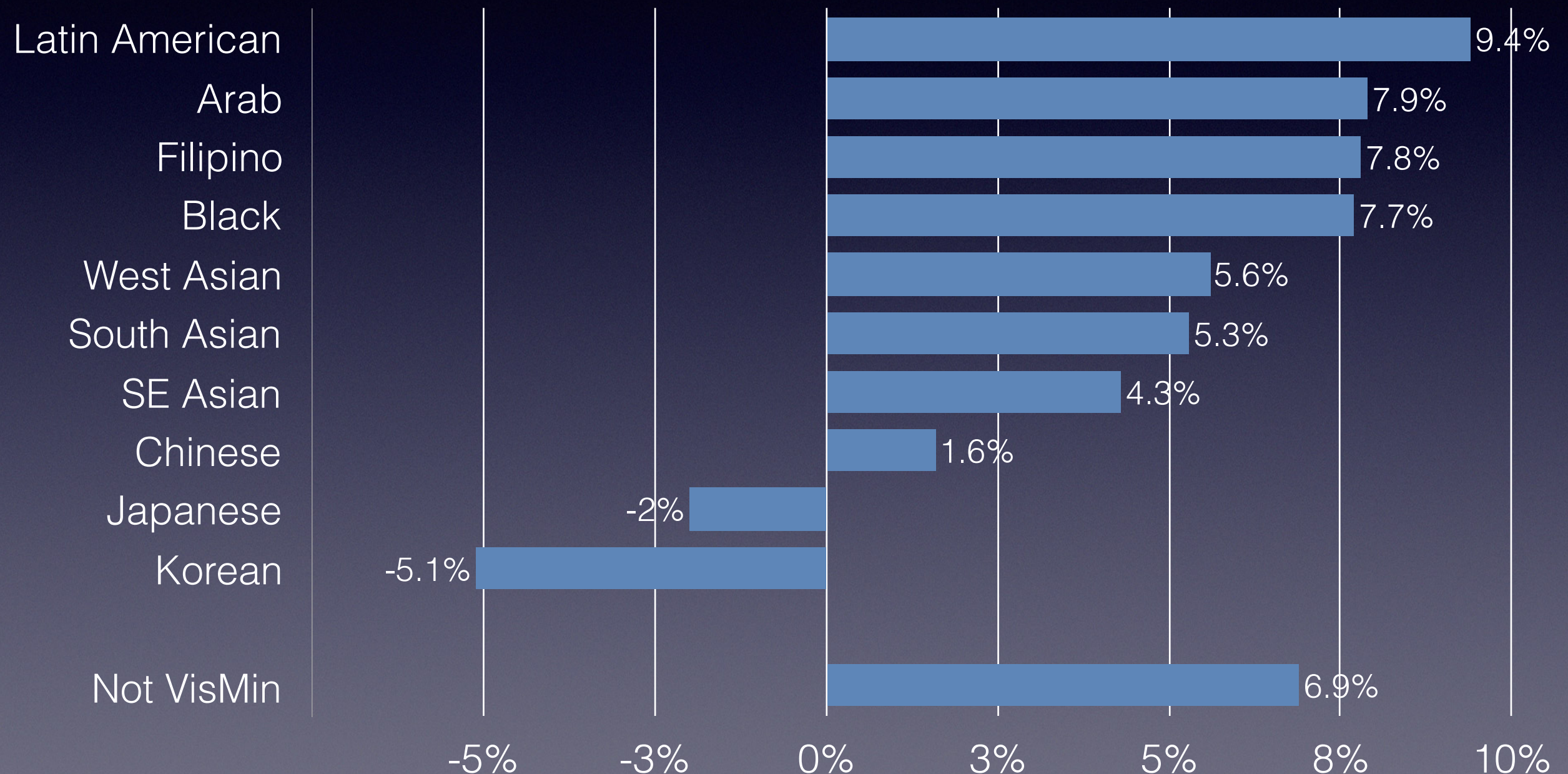Red — Neg 5 percent or less under-representation

Education — College Degree
25-34 Second - First Gen Comparison — Census 2016

Latin American	9.4%
Arab	7.9%
Filipino	7.8%
Black	7.7%
West Asian	5.6%
South Asian	5.3%
SE Asian	4.3%
Chinese	1.6%
Japanese	-2%
Korean	-5.1%
Not VisMin	6.9%

-5%   -3%   0%   3%   5%   8%   10%

STEM BHASE Graduates
25-34 Canadian-born VisMin — Census 2016
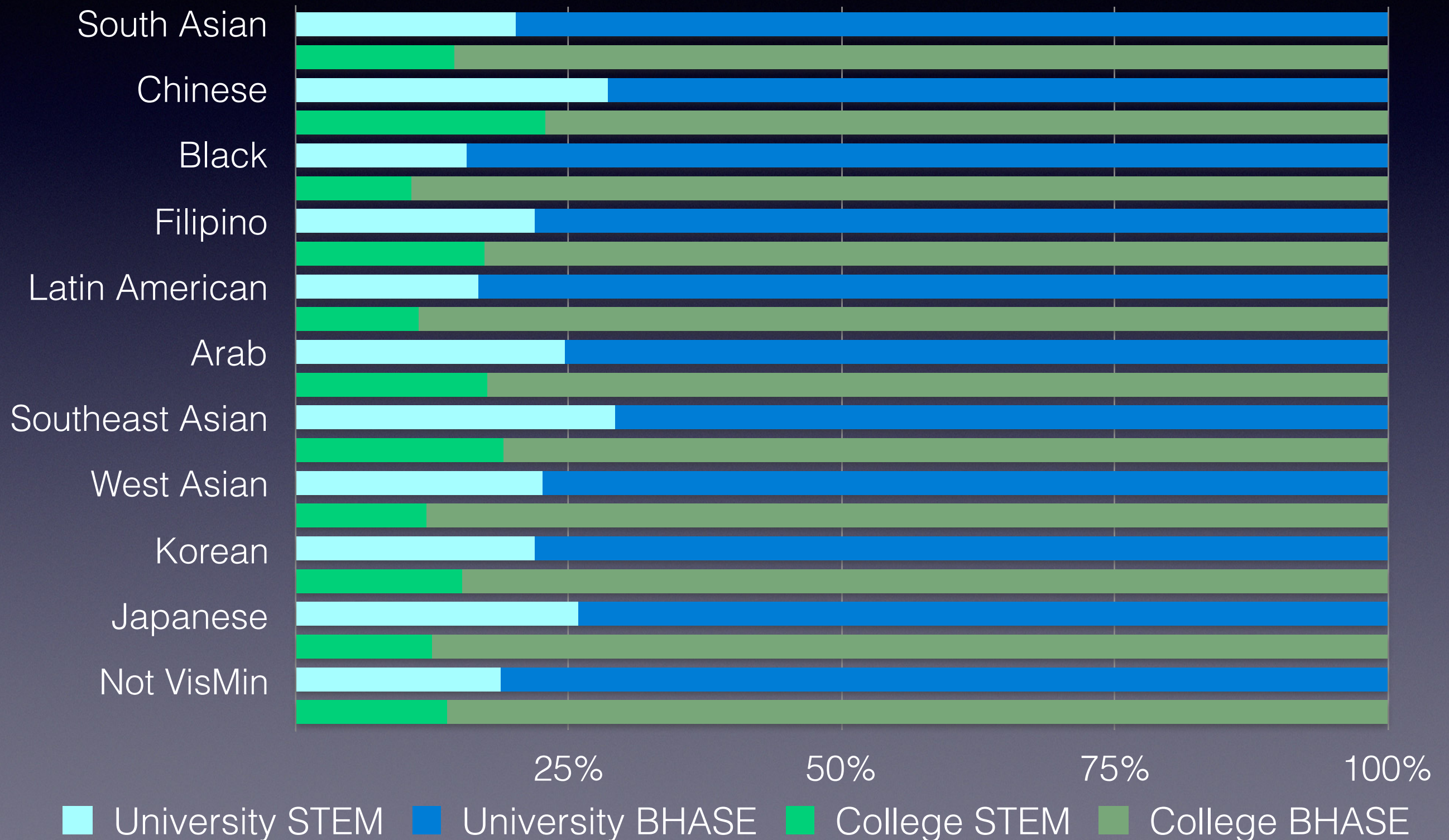
STEM Graduates

25-34 Canadian-born visible minorities — Census 2016

	Science		Engineering		Math, comp sci	
	Univ	Coll	Univ	Coll	Univ	Coll
Total	101,910	16,720	67,145	58,725	28,005	36,025
South Asian	56.7%	16.3%	26.9%	47.0%	16.3%	37.0%
Chinese	47.3%	10.0%	32.1%	40.6%	20.6%	49.5%
Black	58.0%	16.3%	25.3%	38.9%	16.5%	45.0%
Filipino	54.7%	12.4%	25.4%	47.5%	19.9%	40.1%
Latin American	44.8%	15.8%	47.6%	47.5%	7.6%	38.6%
Arab	34.5%	14.8%	52.3%	51.1%	13.2%	36.4%
SE Asian	50.4%	18.5%	31.6%	39.5%	17.7%	42.0%
West Asian	62.3%	35.7%	30.4%	35.7%	7.2%	42.9%
Korean	62.9%	15.8%	22.7%	31.6%	14.4%	47.4%
Japanese	57.6%	15.2%	28.8%	57.6%	13.6%	24.2%
Not VisMin	51.7%	15.1%	34.8%	53.6%	13.5%	31.3%

Highlighting: Red — 10 percent less, Green — 10 percent more than not VisMin

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STEM Graduates — % Women
25-34 Canadian-born visible minorities — Census 2016

	Science		Engineering		Math, comp sci	
	Univ	Coll	Univ	Coll	Univ	Coll
South Asian	56.7%	53.2%	18.2%	7.3%	28.4%	12.8%
Chinese	52.6%	30.4%	23.5%	10.2%	24.6%	14.9%
Black	62.4%	46.2%	26.4%	12.9%	38.1%	12.3%
Filipino	58.2%	52.0%	21.5%	15.6%	29.0%	8.6%
Latin American	61.7%	25.0%	20.0%	16.7%	25.0%	7.7%
Arab	52.8%	53.8%	22.2%	13.3%	47.1%	12.5%
SE Asian	55.7%	48.3%	19.6%	14.5%	30.0%	12.1%
West Asian	53.5%	60.0%	14.3%			33.3%
Korean	60.2%	66.7%	23.3%		15.8%	
Japanese	56.9%	0.0%	19.6%	15.8%	25.0%	37.5%
Not VisMin	56.7%	54.2%	17.9%	13.8%	23.3%	14.7%

Highlighting: Red — 10 percent less, Green — 10 percent more than not VisMin

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STEM Graduate Median Income

25-34 Canadian-born VisMin Compared to Not VisMin, University — Census 2016

	Science		Engineering		Math, comp sci	
	Men	Women	Men	Women	Men	Women
South Asian	78.4%	91.4%	94.1%	100.8%	104.6%	113.4%
Chinese	104.0%	108.8%	100.6%	104.8%	104.2%	120.0%
Black	66.9%	96.0%	73.1%	77.5%	89.0%	90.7%
Filipino	99.6%	101.4%	97.4%	89.9%	107.7%	109.0%
Latin American	73.1%	85.2%	89.1%	68.2%		
Arab	99.7%	105.8%	80.5%	83.6%	94.9%	75.4%
Southeast Asian	64.5%	77.7%	88.7%	89.7%	89.0%	99.1%
West Asian	91.5%	75.3%	92.0%			
Korean	82.1%	88.5%	101.4%	80.5%	96.2%	
Japanese	85.2%	96.1%	92.4%	123.3%	116.6%	
Not VisMin	$43,957	$38,798	$73,100	$65,177	$63,427	$52,185

Highlighting: Red — 10 percent less, Green — More than not VisMin

STEM Graduate Median Income

25-34 Canadian-born VisMin Compared Not VisMin, College — Census 2016

	Science		Engineering		Math, comp sci	
	Men	Women	Men	Women	Men	Women
South Asian	80.5%	106.0%	85.4%	108.5%	77.1%	115.1%
Chinese	87.2%	121.6%	88.6%	111.2%	68.5%	103.0%
Black	66.2%	85.4%	62.4%	72.5%	73.2%	74.4%
Filipino	84.1%	110.5%	89.2%	107.0%	91.2%	123.2%
Latin American	70.9%	91.3%	80.3%	106.4%	47.6%	
Arab	84.4%	89.0%	91.7%	93.0%		
SE Asian	75.5%	104.7%	71.6%	99.1%	46.5%	33.6%
West Asian	67.1%	78.8%	58.3%			
Korean	101.6%	122.5%	96.3%			
Japanese	99.6%	112.2%	106.8%	109.5%		
Not VisMin	$44,467	$34,923	$60,521	$42,927	$48,237	$33,472
Highlighting: Red — 10 percent less, Green — More than not VisMin						

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BHASE University Fields of Study

25-34 Canadian-born VisMin — Census 2016

	Social sciences	Business & admin	Arts & humanities	Health	Education	Natural resources	Legal	Architecture, construction
Total	189,795	174,610	131,440	124,205	116,260	54,880	27,520	9,975
South Asian	21.7%	30.1%	7.8%	22.0%	7.6%	3.7%	5.0%	0.7%
Chinese	19.8%	33.3%	12.7%	19.1%	6.4%	3.8%	2.4%	1.5%
Black	28.7%	18.7%	13.6%	13.5%	9.1%	7.4%	4.5%	0.9%
Filipino	21.9%	19.3%	15.6%	25.9%	9.2%	4.5%	1.0%	1.8%
Latin American	28.3%	20.6%	16.5%	10.7%	8.8%	6.5%	4.4%	1.7%
Arab	23.0%	32.1%	8.3%	19.2%	7.6%	2.7%	5.3%	1.0%
Southeast Asian	18.4%	31.3%	10.6%	26.3%	5.1%	3.4%	2.9%	1.4%
West Asian	29.4%	22.6%	11.7%	13.6%	7.6%	5.1%	6.4%	2.5%
Korean	24.0%	24.2%	18.5%	13.4%	7.4%	4.2%	5.1%	1.7%
Japanese	23.0%	20.0%	20.2%	14.2%	10.3%	5.9%	2.8%	1.2%
Not VisMin	21.6%	18.8%	15.5%	14.6%	15.2%	7.1%	3.3%	1.2%

Highlighting: Red — 20 percent less, Green — 20 percent more than not VisMin

BHASE College Fields of Study

25-34 Canadian-born VisMin — Census 2016

	Natural resources	Health	Business & admin	Arts & humanities	Architecture, construction	Social sciences	Legal	Education
Total	211,130	150,570	146,975	81,605	77,625	64,275	17,315	15,300
South Asian	17.3%	17.6%	29.3%	6.2%	6.5%	7.6%	3.6%	1.2%
Chinese	18.0%	13.6%	27.8%	12.9%	7.6%	7.2%	2.1%	0.4%
Black	19.5%	16.8%	18.3%	11.1%	5.0%	10.2%	3.4%	1.1%
Filipino	16.2%	23.8%	23.3%	10.6%	6.6%	7.0%	2.3%	0.7%
Latin American	20.3%	14.9%	19.3%	11.0%	6.9%	8.2%	4.4%	1.5%
Arab	18.3%	14.0%	28.0%	9.8%	6.7%	6.3%	3.7%	1.4%
Southeast Asian	18.3%	17.5%	26.0%	10.9%	6.6%	5.3%	3.1%	0.5%
West Asian	18.6%	14.7%	24.8%	7.8%	6.2%	10.1%	5.4%	
Korean	19.7%	8.3%	28.0%	15.9%	7.6%	4.5%	3.8%	
Japanese	21.1%	11.6%	18.7%	16.7%	7.1%	7.5%	2.4%	1.0%
Not VisMin	23.9%	16.8%	15.8%	9.0%	8.8%	7.1%	1.8%	1.8%
Highlighting: Red — 20 percent less, Green — 20 percent more than not VisMin								

BHASE University Graduates
% Women 25-34 Canadian-born VisMin — Census 2016

	Social sciences	Business & admin	Arts & humanities	Health	Education	Natural resources	Legal	Architecture, construction
Total	189,795	174,610	131,440	124,205	116,260	54,880	27,520	9,975
South Asian	63.4%	43.5%	66.5%	65.9%	82.4%	68.9%	55.6%	52.4%
Chinese	61.1%	47.6%	60.0%	67.7%	76.4%	68.8%	55.0%	58.7%
Black	71.0%	53.9%	66.3%	84.4%	82.5%	76.6%	67.2%	68.0%
Filipino	61.0%	54.5%	62.4%	77.3%	77.5%	58.0%	45.5%	45.0%
Latin American	70.9%	51.3%	60.9%	80.4%	82.6%	61.8%	60.9%	66.7%
Arab	67.2%	48.3%	61.2%	60.3%	81.7%	57.1%	50.0%	37.5%
SE Asian	67.3%	53.1%	68.3%	70.7%	69.6%	62.2%	84.4%	60.0%
West Asian	64.4%	48.2%	65.5%	68.8%	83.3%	50.0%	60.0%	33.3%
Korean	48.3%	44.5%	54.9%	73.0%	88.6%	60.0%	66.7%	62.5%
Japanese	62.9%	43.5%	65.1%	83.3%	76.9%	50.0%	50.0%	33.3%
Not VisMin	67.4%	47.6%	62.3%	84.0%	80.1%	66.3%	57.0%	50.8%

Highlighting: Green — 10 percent greater, Red — 10 percent less than Not VisMin

BHASE College Graduates
% Women 25-34 Canadian-born VisMin — Census 2016

	Natural resources	Health	Business & admin	Arts & humanities	Architecture, construction	Social sciences	Legal	Education
Total	211,130	150,570	146,975	81,605	77,625	64,275	17,315	15,300
South Asian	28.0%	83.5%	42.1%	47.6%	3.4%	69.9%	70.7%	84.4%
Chinese	29.0%	73.3%	46.7%	45.3%	10.4%	62.0%	79.5%	85.7%
Black	46.8%	87.0%	56.1%	50.8%	11.7%	76.4%	84.6%	78.7%
Filipino	28.9%	75.3%	51.3%	46.3%	7.9%	69.1%	88.5%	50.0%
Latin American	40.1%	84.5%	62.0%	51.4%	15.9%	74.4%	84.1%	93.3%
Arab	34.4%	81.7%	57.0%	58.0%	5.9%	81.3%	89.5%	71.4%
SE Asian	41.6%	80.4%	57.5%	60.7%	14.8%	69.8%	88.0%	50.0%
West Asian	20.8%	68.4%	43.8%	50.0%		84.6%	85.7%	
Korean	34.6%	81.8%	48.6%	23.8%		83.3%	100.0%	
Japanese	35.5%	73.5%	54.5%	55.1%	9.5%	50.0%	85.7%	66.7%
Not VisMin	35.2%	89.1%	67.7%	55.1%	8.6%	83.6%	90.0%	89.1%

Highlighting: Green — 10 percent greater, Red — 10 percent less than Not VisMin

BHASE 1 — Median Incomes

25-34, Canadian-born VisMin Compared to Not VisMin,
University graduates — Census 2016

	Social sciences		Business & admin		Arts & humanities	
	Men	Women	Men	Women	Men	Women
South Asian	95.5%	100.6%	88.9%	101.3%	114.1%	106.8%
Chinese	103.0%	109.6%	94.9%	111.1%	106.7%	119.9%
Black	87.7%	91.1%	72.9%	81.7%	87.2%	92.3%
Filipino	81.2%	114.8%	83.2%	91.1%	120.6%	104.5%
Latin American	75.5%	80.4%	66.9%	96.2%	94.7%	95.9%
Arab	86.9%	92.7%	83.1%	85.1%	82.6%	84.3%
Southeast Asian	88.5%	90.3%	88.9%	97.5%	96.0%	94.5%
West Asian	84.7%	63.7%	76.5%	107.8%	85.2%	50.5%
Korean	86.9%	103.8%	87.4%	100.6%	96.7%	123.2%
Japanese	106.1%	101.4%	95.0%	107.5%	85.3%	115.4%
Not VisMin	$46,004	$38,387	$61,527	$51,389	$33,103	$31,269
Highlighting: Red — 10 percent less, Green — More than not VisMin						

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BHASE 2 — Median Incomes

25-34, Canadian-born VisMin Compared to Not VisMin,
University graduates— Census 2016

	Health		Education		Natural Resources	
	Men	Women	Men	Women	Men	Women
South Asian	88.7%	93.8%	98.4%	93.7%	110.2%	89.8%
Chinese	98.9%	109.6%	102.8%	109.8%	103.5%	108.4%
Black	67.1%	94.9%	96.7%	92.8%	68.0%	98.9%
Filipino	95.7%	100.0%	137.1%	90.5%	64.9%	83.3%
Latin American	76.4%	76.3%	134.8%	83.9%	134.6%	85.9%
Arab	80.9%	99.0%	111.0%	95.0%	69.7%	42.7%
SE Asian	85.5%	106.2%	94.6%	90.6%	78.4%	107.3%
West Asian	56.6%	49.1%		132.9%		
Korean	112.3%	97.9%		69.2%	103.3%	76.2%
Japanese	91.5%	110.8%	83.3%	126.1%	134.1%	100.6%
Not VisMin	$67,677	$61,279	$51,020	$42,504	$48,004	$42,691
Highlighting: Red — 10 percent less, Green — More than not VisMin						

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BHASE 3 — Median Incomes

25-34, Canadian-born VisMin Compared to Not VisMin,
University graduates — Census 2016

	Legal		Architecture…		Other	
	Men	Women	Men	Women	Men	Women
South Asian	57.9%	81.6%	115.0%	124.8%	104.2%	83.8%
Chinese	81.1%	106.3%	93.2%	102.5%	106.2%	111.6%
Black	89.8%	72.4%	99.7%	66.2%	65.5%	102.4%
Filipino			65.3%	53.7%	50.1%	92.7%
Latin American	44.4%	41.6%			94.4%	96.6%
Arab	93.3%	63.3%				42.4%
SE Asian		85.8%	104.9%	105.2%	72.0%	111.5%
West Asian		80.2%				
Korean		168.3%				
Japanese	68.8%				135.2%	123.7%
Not VisMin	$63,568	$51,525	$49,566	$41,585	$47,658	$42,948
Highlighting: Red — 10 percent less, Green — More than not VisMin						

BHASE 1 — Median Incomes

25-34, Canadian-born VisMin Compared to Not VisMin, College graduates — Census 2016

	Natural Resources		Health		Business & Admin	
	Men	Women	Men	Women	Men	Women
South Asian	71.9%	97.9%	69.2%	108.9%	85.0%	105.0%
Chinese	83.7%	113.5%	85.5%	117.1%	88.2%	120.2%
Black	70.7%	90.3%	72.3%	81.5%	74.0%	81.6%
Filipino	78.4%	98.1%	77.5%	105.5%	90.3%	114.0%
Latin American	70.0%	94.6%	75.1%	83.6%	81.2%	85.0%
Arab	84.1%	84.7%	71.7%	76.9%	88.3%	93.0%
SE Asian	80.9%	102.5%	65.2%	102.0%	79.2%	109.0%
West Asian	89.3%			69.1%	66.1%	53.3%
Korean	72.5%	157.3%		69.2%	92.2%	89.9%
Japanese	97.0%	106.6%	128.2%	93.5%	102.5%	113.3%
Not VisMin	$51,146	$28,335	$47,870	$31,919	$43,994	$34,073
Highlighting: Red — 10 percent less, Green — More than not VisMin						

BHASE 2 — Median Incomes

25-34, Canadian-born VisMin Compared to Not VisMin,
College graduates — Census 2016

	Arts & Humanities		Architecture, Construction		Social Sciences	
	Men	Women	Men	Women	Men	Women
South Asian	106.9%	105.5%	65.6%	128.2%	112.6%	94.0%
Chinese	100.4%	128.5%	95.7%	125.0%	86.4%	118.1%
Black	66.9%	82.1%	69.2%	77.0%	80.7%	96.1%
Filipino	93.2%	131.7%	76.0%		97.7%	121.7%
Latin American	79.2%	94.7%	78.2%	83.1%	87.2%	107.2%
Arab	86.7%	94.9%	74.3%			80.4%
SE Asian	71.8%	84.4%	84.6%	157.6%	87.0%	118.3%
West Asian			106.2%			40.4%
Korean	119.4%		96.7%			
Japanese	133.9%	124.9%	90.6%		115.8%	86.8%
Not VisMin	$32,276	$26,505	$54,538	$36,915	$35,967	$28,412

Highlighting: Red — 10 percent less, Green — More than not VisMin

BHASE 3 — Median Incomes

25-34, Canadian-born VisMin Compared to Not VisMin,
College graduates — Census 2016

	Legal		Education		Other	
	Men	Women	Men	Women	Men	Women
South Asian	71.0%	94.6%		101.5%	78.1%	96.8%
Chinese	118.8%	100.2%			75.5%	115.4%
Black	58.9%	84.6%		123.6%	73.9%	92.9%
Filipino		78.1%			80.1%	82.8%
Latin American		89.1%		94.3%	66.2%	96.2%
Arab		107.1%			94.1%	83.7%
SE Asian		111.2%			71.9%	94.5%
West Asian		115.4%			91.4%	
Korean					63.4%	
Japanese					105.2%	109.8%
Not VisMin	$41,327	$36,350	$33,542	$26,413	$47,375	$27,490

Highlighting: Red — 10 percent less, Green — More than not VisMin

Policy questions

- Factors behind gender differences?

- Factors behind group differences?

- Policy responses?

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MULTICULTURALISM
IN CANADA

Evidence and Anecdote

ANDREW GRIFFITH