

October 26 report

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10/26/2020

Overall ranking for Congress

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1   2.3  93.5   1.1     3.1
2     2   3.6  90.7   0.9     4.8
3     3   1.9  94.3   1.3     2.5
4     4   2.9  92     1.1     3.9
5     5   2.6  92     2.2     3.2
6     6   3.4  90.8   2       3.8
7     7   4.4  88.4   1.6     5.7
```

Overall ranking for House

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1   2.5  93     1.2     3.4
2     2   3.5  90.6   0.9     4.9
3     3   2.2  94     1.2     2.6
4     4   3    91.6   1.3     4.2
5     5   2.5  91.8   2.2     3.5
6     6   3.2  90.5   2.1     4.2
7     7   4.5  87.8   1.7     6
```

Overall ranking for Senate

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1   0.8  96.9   1.2     1.2
2     2   3.4  91.8   0.9     3.9
3     3   0.8  95.9   1.7     1.5
4     4   2.6  94     0.9     2.5
5     5   2.3  93.1   2.4     2.2
6     6   3.3  91.9   2       2.8
7     7   4    90.2   1.5     4.3
```

Rankings by Race of Lawmakers (house, senate, congress)

House: White

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     1.4 96.2  0.8      1.5
2     2     2.2 93.8  0.9      3.1
3     3     1.7 95.9  1       1.4
4     4     1.9 94.3  1.1      2.7
5     5     1.7 94.3  1.7      2.2
6     6     2.4 93.6  1.7      2.3
7     7     3.3 91.4  1.3      3.9
```

House: Black

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1  14.7 81.8  1.4      2.1
2     2  20.8 76.2  1       2
3     3   9.5 83.6  3.4      3.4
4     4  20    80    0       0
5     5  14   79.7 4.1      2.3
6     6 18.1 69.9  5.2      6.7
7     7 18.3 73.9  2.7      5.1
```

House: Hispanic

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     2  58.6  3      36.4
2     2     1.7 51.7  1.7     45
3     3     2  74.3  2      21.8
4     4     2  61.8  2.9     33.3
5     5     1.9 66.5  4.2     27.4
6     6     2.9 58    2      37.1
7     7     3.2 52.2  3.3     41.3
```

House: Asian

```
# A tibble: 5 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     2.4 82.9  9.8      4.9
2     2     4.5 86.4  0       9.1
3     3     0  97.6  2.4      0
4     4     2.4 83.3  7.1      7.1
5     5     2  79.6 12.5      5.9
```

6	6	3.4	75.9	17.2	3.4
7	7	4.6	78.3	9.9	7.2

Senate: White

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     0.4 98.6    0.6      0.4
2     2     3   92.5    0.8      3.7
3     3     0.9 96.6    1.4      1.1
4     4     2.6 95     0.6      1.8
5     5     2.3 93.5    2.2      2
6     6     3.2 92.5    1.8      2.5
7     7     3.9 90.9    1.3      3.9
```

Senate: Black

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1    16.7 66.7   16.7      0
2     2    14.3 85.7    0      0
3     3     0   62.5   12.5     25
4     4    14.3 85.7    0      0
5     5     0   88.9    3.7     7.4
6     6     3.8 76.9    7.7    11.5
7     7     8.1 83.8    2.7     5.4
```

Senate: Hispanic

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     0   84.6    0     15.4
2     2    10.7 78.6    3.6     7.1
3     3     0   93.3    0     6.7
4     4     0   70     5     25
5     5     2.4 86.9    2.4     8.3
6     6     4.3 82.6    1.1    12
7     7     6.2 74.5    0.5    18.8
```

Senate: Asian

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     7.7 61.5   15.4    15.4
2     2     0   87.5    0     12.5
3     3     0   92.3    7.7     0
```

4	4	0	78.6	14.3	7.1
5	5	1.4	82.6	11.6	4.3
6	6	3.8	80.8	13.5	1.9
7	7	4	78.8	11.9	5.3

Congress: White

```
# A tibble: 7 x 5
  rank black white asian hispanic
  <dbl> <dbl> <dbl> <dbl>   <dbl>
1     1     1  1.3  96.5   0.8     1.4
2     2     2  2.3  93.6   0.8     3.2
3     3     3  1.5  96.1   1       1.4
4     4     4   2   94.4   1       2.6
5     5     5  1.9  94.1   1.8     2.2
6     6     6  2.8  93.2   1.6     2.4
7     7     7  3.5  91.4   1.3     3.8
```

Congress: Black

```
# A tibble: 7 x 5
  rank black white asian hispanic
  <dbl> <dbl> <dbl> <dbl>   <dbl>
1     1     1 14.9  81.1   2       2
2     2     2 20.6  76.6   0.9     1.9
3     3     3  8.9  82.1   4.1     4.9
4     4     4 20   80     0       0
5     5     5 13.2  80.2   4       2.6
6     6     6 16.4  70.8   5.5     7.3
7     7     7 17.9  74.3   2.7     5.1
```

Congress: Hispanic

```
# A tibble: 7 x 5
  rank black white asian hispanic
  <dbl> <dbl> <dbl> <dbl>   <dbl>
1     1     1  1.9  60.4   2.8   34.9
2     2     2  4.8  57.8   2.4   34.9
3     3     3  1.8  75.2   1.8   21.1
4     4     4  1.8  62.5   2.7   33
5     5     5  2.2  69.1   3.9   24.8
6     6     6  2.9  61.3   1.7   34
7     7     7  3.3  54.5   3.1   39.2
```

Congress: Asian

```
# A tibble: 7 x 5
  rank black white asian hispanic
  <dbl> <dbl> <dbl> <dbl>   <dbl>
1     1     1  2.4  82.9   9.8   4.9
```

2	2	4.5	86.4	0	9.1
3	3	0	97.6	2.4	0
4	4	2.4	83.3	7.1	7.1
5	5	2	79.6	12.5	5.9
6	6	3.4	75.9	17.2	3.4
7	7	4.6	78.3	9.9	7.2

Rankings by political party (House, Senate, Congress)

House: Republicans

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     1.4 96.1  0.5      2.1
2     2     1.5 95.6  0.5      2.3
3     3     1.8 96.5  0.7      1
4     4     2.4 93.7  1.1      2.8
5     5     1.1 96.2  1        1.6
6     6     2.2 95.4  0.7      1.8
7     7     2.7 93.6  0.7      3
```

House: Democrats

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     3.8 89.6  1.9      4.7
2     2     5.6 85.2  1.3      7.8
3     3     2.6 91.3  1.8      4.2
4     4     3.6 89.4  1.5      5.5
5     5     3.9 87.6  3.4      5.1
6     6     4    86    3.5      6.5
7     7     6.2 82.5  2.5      8.8
```

Senate: Republicans

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1     0.8 97.6  0.8      0.8
2     2     2.7 94.3  0.3      2.7
3     3     1.8 95.8  1.8      0.7
4     4     2.7 94.1  0.5      2.7
5     5     1.6 95.9  1.2      1.2
6     6     2.5 95    0.8      1.7
7     7     3    93.4  0.7      2.9
```

Senate: Democrats

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1    0.7  96.5   1.4      1.4
2     2    4.2   89    1.4      5.4
3     3     0   96.2   1.6      2.2
4     4    2.5  94.1   1.2      2.2
5     5    2.9  90.6   3.4      3.1
6     6    3.9  89.3   3.1      3.7
7     7    5.1  87.2   2.1      5.6
```

Congress: Republicans

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1    1.2  96.3   0.5      1.9
2     2    1.9  94.9   0.6      2.7
3     3    1.7  96.4   0.8      1.1
4     4    2.3  93.9   0.9      2.8
5     5    1.3  95.9   1.1      1.6
6     6    2.3  94.9   0.8      1.9
7     7    2.7  93.5   0.7      3.1
```

Congress: Democrats

```
# A tibble: 7 x 5
  rank black white asian hispanic
<dbl> <dbl> <dbl> <dbl>    <dbl>
1     1    3.4  90.7   1.7      4.2
2     2    5.4  86.5   1.2      6.9
3     3    2.2   92    1.8       4
4     4    3.6  90.2   1.3      4.9
5     5    3.7  88.4   3.3      4.6
6     6    4.2  87.1   3.1      5.6
7     7     6   83.7   2.3      7.9
```

#Promotion and Mobility

Revisited estimates for how long staffers work on the Hill and the number of offices they are employed in calculated in discrete racial assignments

This is looking only at staffers that work directly for congressman's offices (not committees, etc.)

```
# A tibble: 4 x 2
  race      total_days
<chr>      <dbl>
1 asian      313.
2 hispanic   319.
3 nh_black   323.
```

Including an interaction between race and gender for compensation differences

house salaries with interaction:

Models 1-2 are linear models with year fixed effects, models 3-4 are linear models with year and member fixed effects.

In the House, there seems to be a gendered and racialized difference. While Hispanic, white and Asian men get paid more on average, black man seem get paid less than black women.

Compensation differences for the House (including interactions)

=====				
	Dependent variable:			

	Annual salary (in 2013 dollars)			
	(1)	(2)	(3)	(4)

black	-2,290*** (490)	-1,611*** (619)	-2,378*** (485)	-2,348*** (612)
hispanic	-3,036*** (377)	-3,857*** (482)	-3,328*** (382)	-3,882*** (482)
asian	1,075* (625)	-5,182*** (862)	-719 (623)	-6,000*** (855)
genderM	1,307*** (179)	959*** (191)	1,409*** (177)	1,095*** (188)
rank	-9,366*** (54)	-9,380*** (54)	-9,311*** (53)	-9,325*** (53)
totdays	0* (0)	0* (0)	1*** (0)	1*** (0)
hill_experience	1,271*** (9)	1,263*** (9)	1,300*** (9)	1,293*** (9)
democrat	-354* (189)	-335* (189)		
race_member2Black	-1,516** (728)	-1,552** (728)		
race_member2Hispanic	-3,975*** (736)	-3,889*** (736)		
race_member2White	-3,351*** (660)	-3,309*** (660)		
gender_member	1,818*** (240)	1,826*** (240)		
black:genderM		-1,861* (992)		-157 (985)
hispanic:genderM		1,878*** (701)		1,193* (690)
asian:genderM		13,038*** (1,239)		10,996*** (1,220)

Observations	78,117	78,117	78,117	78,117
R2	0	0	1	1
Adjusted R2	0	0	1	1

Residual Std. Error 24,536 (df = 78093) 24,518 (df = 78090) 23,516 (df = 76927) 23,504 (df = 76924)

Note:

*p<0.1; **p<0.05; ***p<0.01

In the Senate, the race*gender interaction only seems to be different for Asian men (compared to women) (there is still an overall gender effect, where men get paid more, and race effect (where non-white groups get paid less), but it's not significantly different across racial groups)

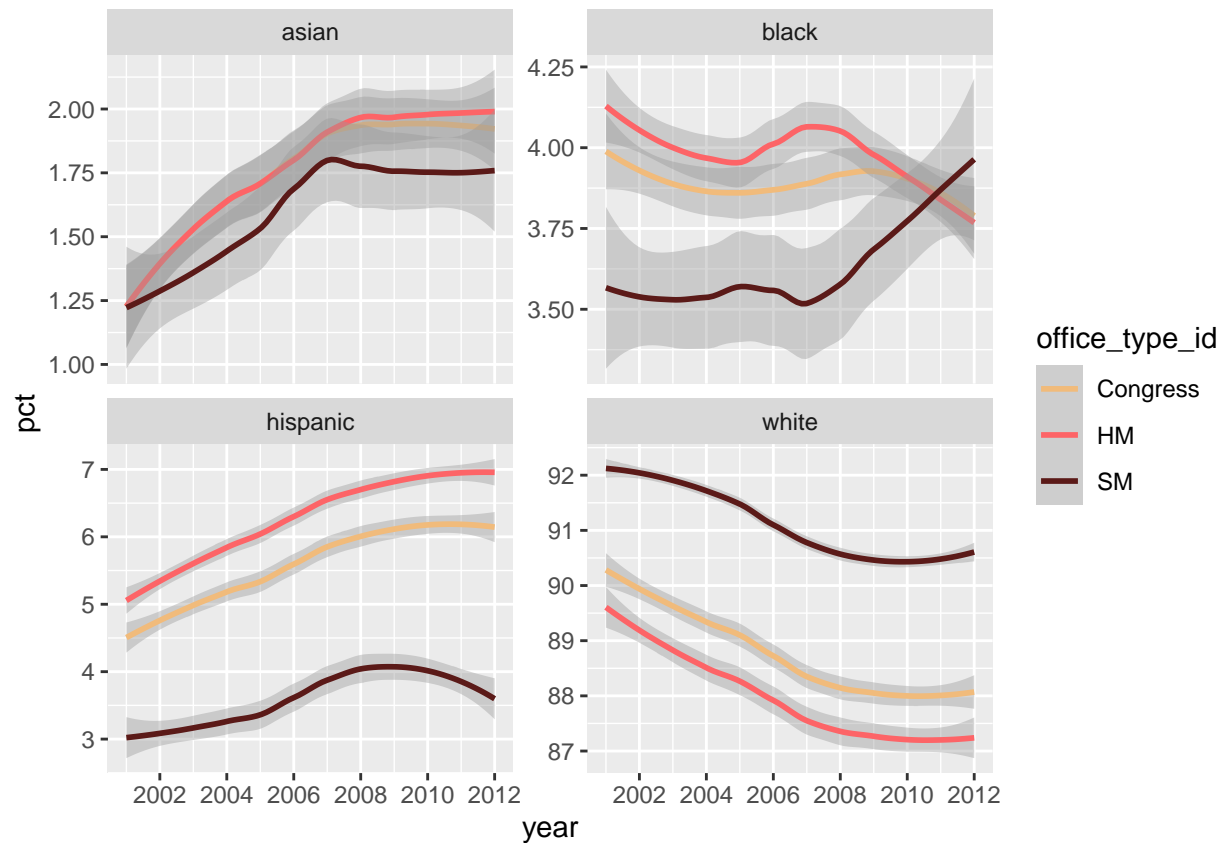
Compensation differences for the Senate (including interactions)

Dependent variable:				
	Annual salary (in 2013 dollars)			
	(1)	(2)	(3)	(4)
black	-4,581*** (894)	-4,473*** (1,120)	-4,781*** (882)	-4,304*** (1,105)
hispanic	-1,560** (785)	-1,390 (1,028)	-2,178*** (799)	-2,073** (1,028)
asian	2,127* (1,218)	-1,967 (1,854)	1,842 (1,204)	-1,816 (1,829)
genderM	1,819*** (311)	1,730*** (325)	1,664*** (308)	1,610*** (322)
rank	-10,670*** (104)	-10,670*** (104)	-10,847*** (104)	-10,847*** (104)
totdays	2*** (0)	2*** (0)	2*** (0)	2*** (0)
hill_experience	532*** (20)	532*** (20)	534*** (20)	534*** (20)
democrat	-347 (316)	-328 (316)		
race_member2Black	9,238*** (2,044)	9,295*** (2,044)		
race_member2Hispanic	5,383*** (1,488)	5,386*** (1,489)		
race_member2White	2,113* (1,208)	2,133* (1,208)		
gender_member	-1,552*** (413)	-1,559*** (413)		
black:genderM		-328 (1,853)		-1,350 (1,830)
hispanic:genderM		-428 (1,578)		-282 (1,554)
asian:genderM		7,139*** (2,439)		6,393*** (2,409)
Observations	25,719	25,719	25,719	25,719
R2	0	0	0	0
Adjusted R2	0	0	0	0
Residual Std. Error	24,578 (df = 25695)	24,575 (df = 25692)	23,963 (df = 25520)	23,961 (df = 25517)

Note:

*p<0.1; **p<0.05; ***p<0.01

Racial Composition of House, Senate, and Congress Staff



What percentage of all Black Staff work for Black members? (etc.) to answer comment on page 5 of draft 4

```
# A tibble: 4 x 5
  race      black_member white_member asian_member hispanic_member
<chr>      <dbl>      <dbl>      <dbl>      <dbl>
1 asian         10.4         71.3         10.1         8.1
2 hispanic        5.5         58.2          2.4        33.9
3 nh_black       26.1         68.5          1.5         3.8
4 nh_white        5          90.4          1.5         3.1
```

Comparison of white/non-white members offices for Congress, Senate and House.

House:

```
# A tibble: 2 x 5
  white_nonwhite black white asian hispanic
<chr>      <dbl> <dbl> <dbl> <dbl>
1 non_white    9.9 69.8  4    16.2
2 white        2.7 92.8  1.4   3.1
```

Senate:

```
# A tibble: 2 x 5
```

	white_nonwhite	black	white	asian	hispanic
	<chr>	<dbl>	<dbl>	<dbl>	<dbl>
1 non_white		4.7	79.6	5.4	10.3
2 white		3.3	92.2	1.5	3

Congress:

```
# A tibble: 2 x 5
```

	white_nonwhite	black	white	asian	hispanic
	<chr>	<dbl>	<dbl>	<dbl>	<dbl>
1 non_white		9.6	70.5	3.9	16
2 white		2.9	92.7	1.4	3.1