

May 19th report

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Race matching algorithm

Here's the average probability of being in each racial group for everyone in the data

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0335  0.0526  0.0970  0.817
```

House 2010 race staffers

Here's the average probability of being in each racial group for staffers in the house in 2010.

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0224  0.0708  0.101  0.806
```

Here's the average probability of being in each racial group for staffers in Black house members' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0325  0.0544  0.242  0.672
```

Here's the average probability of being in each racial group for staffers in Hispanic house members' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0376  0.380  0.0621  0.520
```

Here's the average probability of being in each racial group for staffers in Asian/PI house members' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.111  0.117  0.0900  0.682
```

Here's the average probability of being in each racial group for staffers in White house members' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0178  0.0491  0.0873  0.846
```

Senate 2010 race staffers

Here's the average probability of being in each racial group for staffers in the senate in 2010.

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0227  0.0529  0.0991  0.825
```

Here's the average probability of being in each racial group for staffers in Black senators' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0397  0.0427  0.205   0.712
```

Here's the average probability of being in each racial group for staffers in Hispanic senators' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0238  0.139   0.0873  0.750
```

Here's the average probability of being in each racial group for staffers in Asian/PI senators' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.108  0.0741  0.105   0.712
```

Here's the average probability of being in each racial group for staffers in White senators' offices:

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0205  0.0517  0.0971  0.831
```

Chief of staff comparison

I took the staffers whose salary title was "Chief of staff" in the House in 2010 and looked at the average race probabilities of each racial group and compared it to the House report you sent. I did the same for gender to have a "ground truth" of the disparity between the report and what's in the our data. You can see that the disparity in gender from the report and our data is not that dissimilar from the disparity in the inputted race and the race in the report.

```
# A tibble: 1 x 4
  asian hispanic nh_black nh_white
  <dbl>   <dbl>   <dbl>   <dbl>
1 0.0195  0.0498  0.0900  0.841
```

```
# A tibble: 3 x 3
  gender gender_total gender_pct
  <chr>      <int>      <dbl>
1 F             150       34.1
2 M             288       65.5
3 <NA>           2        0.455
```

Race/Ethnicity

Response	2010*	2009
American Indian or Alaska Native	0.8%	1.1%
Asian	3.9%	1.6%
Pacific Islander	0.8%	0.0%
Black, not of Hispanic or Latino origin	7.0%	7.5%
Hispanic or Latino	1.6%	2.7%
White, not of Hispanic or Latino origin	82.0%	87.1%
Unsure	0.0%	0.0%
Other**	1.6%	0.0%

**In 2010, respondents were able to select all that apply, so responses may not total to 100 percent.*

***Other includes Portuguese.*

Figure 1: race for chief of staff in the report

Gender

Response	2010	2009
Male	68.5%	58.7%
Female	31.5%	41.3%
Total	100.0%	100.0%

Figure 2: gender for chief of staff in the report