

RE: OIC interactive data

Cecile Murray

Mon 3/26/2018 10:32 AM

To: Alec Friedhoff <AFRIEDHOFF@brookings.edu>;

 1 attachments (50 KB)

NSF_NIH_education_grants.xlsx;

Please find attached the NIH/NSF funding numbers. The stcofips column holds the concatenated state-county FIPS, as before; the County Type and Competitive Type columns also have the same meanings as before. So County Type == 3 identifies the OICs. I've included data for all the counties where we had anything – we didn't have a complete universe on this one. Let me know if anything is confusing or seems off, and thanks for your patience with the data trickling in in bits rather than all in one.

I'll run the stat sig calculation on the white/nonwhite education gap later today or tomorrow – unfortunately I essentially need to replicate Alan's work to get that together.

Re: stat sig, because we're assuming that the 2000 standard error is 0, the z-score calculations for absolute and percent change are actually equivalent. Let me know if it would be helpful for me to write out my math on that – it's good to know there's another pair of experienced eyes on this sort of thing.

Re: total jobs, yes, that's right.

I am happy to do a spot check – just let me know when you're ready.

Thanks for all your work on this,
Cecile

From: Alec Friedhoff
Sent: Friday, March 23, 2018 10:18
To: Cecile Murray <CMurray@brookings.edu>
Subject: Re: OIC interactive data

Hey, yeah thanks. I also had a question on the stat sig calculations generally. E.g., for percent change in income per capita, the significance test is done in the spreadsheet for the absolute change, correct? The test seems logically equivalent to one on percent change, but I assume the standard error calculation is affected?

Or perhaps not, if the base year is 2000 (when the SE is taken to be 0)? Thoughts?

Also, for calculations with total jobs (mf share of total jobs, and % change in gmp/job), I've used the RET_YYYY variable as the denominator? I presume this is correct?

I think that's all for now. I'll ask you to do a spot check of the variables at some point next week once things are finalized.

Thanks!

-Alec

Alec Friedhoff
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BROOKINGS

From: Cecile Murray
Sent: Thursday, March 22, 2018 11:25:50 AM
To: Alec Friedhoff
Subject: OIC interactive data

Hi Alec,

You mentioned yesterday that there are a few data questions outstanding. I wrote down the NSF/NIH funding and the white/nonwhite educational attainment stat sig question. Was there anything else?

Let me know and I'll get that to you ASAP.

Thanks,
Cecile

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