

Google Analytics report for Very Statisticious

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I started tracking my blog Very Statisticious, aosmith.rbind.io, with Google Analytics on 2020-06-04. Now I can track users and page views and look at how many and where folks are using the blog.

Google analytics data

Pull Google Analytics data from web and analyze key metrics of interest. Dates can be changed using the parameters.

I'm collecting number of unique page views, users and sessions by country, and users and sessions by state/city (US). For location data I remove users without data.

Data cleaning

Clicks from facebook, in particular, changes the page ID. These need to be cleaned. In addition, I want to add "tag" info for pages that involve **ggplot2**, **emmeans**, or **simulations**.

Here's the cleaned table.

pagePath	views	tag
/2017/12/21/using-dharma-for-residual-checks-of-unsupported-models/	46	other
/2017/12/31/many-datasets/	29	other
/2018/01/03/fiesta-2017-gas-mileage/	3	other
/2018/01/09/simulate-simulate-part1/	97	simulation
/2018/01/09/simulate-simulate-part2/	2	simulation
/2018/01/19/reversing-the-order-of-a-ggplot2-legend/	233	ggplot2
/2018/01/31/added-variable-plots/	20	other
/2018/03/26/unstandardizing-coefficients/	21	other
/2018/04/23/simulate-simulate-part-2/	56	simulation
/2018/06/05/a-closer-look-at-replicate-and-purrr/	270	simulation
/2018/06/27/uneven-grouped-autocorrelation/	14	other
/2018/07/18/simulate-poisson-edition/	15	simulation
/2018/07/19/manual-legends-ggplot2/	530	ggplot2
/2018/08/20/automating-exploratory-plots/	181	ggplot2
/2018/08/29/getting-started-simulating-data/	397	simulation
/2018/09/19/the-log-0-problem/	3	other
/2018/10/29/an-example-directory-structure/	4	other
/2018/11/16/plot-fitted-lines/	677	ggplot2
/2019/03/06/lots-of-zeros/	76	other
/2019/03/25/getting-started-with-emmeans/	279	emmeans
/2019/04/15/custom-contrasts-emmeans/	61	emmeans
/2019/04/22/embedding-subplots/	27	ggplot2

pagePath	views	tag
/2019/05/13/small-multiples-plot/	298	ggplot2
/2019/06/24/function-for-model-fitting/	39	other
/2019/07/22/automate-model-fitting-with-loops/	8	other
/2019/10/04/expanding-binomial-to-binary/	4	other
/2019/10/14/background-color_gradient/	7	ggplot2
/2019/11/27/split-example/	32	other
/2020/04/28/r-documentation/	1	other

Page visit stats

Here are page visit stats for 2020-06-05 through 2020-06-11.

Proportion of times the page was visited.

pagePath	views	tag	prop
/2018/11/16/plot-fitted-lines/	677	ggplot2	0.1973761
/2018/07/19/manual-legends-ggplot2/	530	ggplot2	0.1545190
/2018/08/29/getting-started-simulating-data/	397	simulation	0.1157434
/2019/05/13/small-multiples-plot/	298	ggplot2	0.0868805
/2019/03/25/getting-started-with-emmeans/	279	emmeans	0.0813411
/2018/06/05/a-closer-look-at-replicate-and-purrr/	270	simulation	0.0787172
/2018/01/19/reversing-the-order-of-a-ggplot2-legend/	233	ggplot2	0.0679300
/2018/08/20/automating-exploratory-plots/	181	ggplot2	0.0527697
/2018/01/09/simulate-simulate-part1/	97	simulation	0.0282799
/2019/03/06/lots-of-zeros/	76	other	0.0221574
/2019/04/15/custom-contrasts-emmeans/	61	emmeans	0.0177843
/2018/04/23/simulate-simulate-part-2/	56	simulation	0.0163265
/2017/12/21/using-dharma-for-residual-checks-of-unsupported-models/	46	other	0.0134111
/2019/06/24/function-for-model-fitting/	39	other	0.0113703
/2019/11/27/split-example/	32	other	0.0093294
/2017/12/31/many-datasets/	29	other	0.0084548
/2019/04/22/embedding-subplots/	27	ggplot2	0.0078717
/2018/03/26/unstandardizing-coefficients/	21	other	0.0061224
/2018/01/31/added-variable-plots/	20	other	0.0058309
/2018/07/18/simulate-poisson-edition/	15	simulation	0.0043732
/2018/06/27/uneven-grouped-autocorrelation/	14	other	0.0040816
/2019/07/22/automate-model-fitting-with-loops/	8	other	0.0023324
/2019/10/14/background-color_gradient/	7	ggplot2	0.0020408
/2018/10/29/an-example-directory-structure/	4	other	0.0011662
/2019/10/04/expanding-binomial-to-binary/	4	other	0.0011662
/2018/01/03/fiesta-2017-gas-mileage/	3	other	0.0008746
/2018/09/19/the-log-0-problem/	3	other	0.0008746
/2018/01/09/simulate-simulate-part2/	2	simulation	0.0005831
/2020/04/28/r-documentation/	1	other	0.0002915

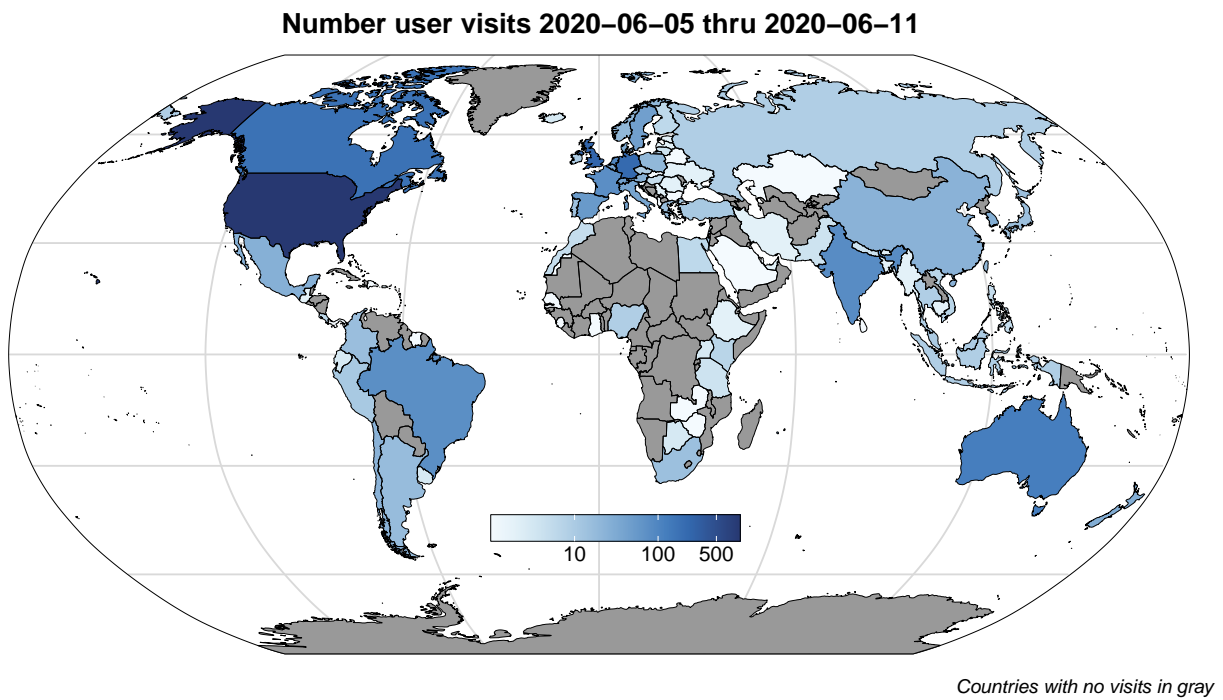
Proportion of time each tag visited.

tag	total	prop
ggplot2	1953	0.5693878
simulation	837	0.2440233
emmeans	340	0.0991254
other	300	0.0874636

Weighted proportions for tags, since some tags have more posts than others.

tag	total	n	prop
ggplot2	1953	7	0.4574306
simulation	837	6	0.2287153
emmeans	340	2	0.2787212
other	300	14	0.0351329

Plot of use across world



Plot of use in United States

