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Developing PhD: cognition & emotion in new tools to animals EStat E-Book reader promote stats PlotsViaR Template documentation HALF -- Previous 1 2 3 4 5 6 7 8 ... 15 16 Next--education... B-Template Documentation for Purpose of the template Start And now looking at the R script, you can see that groups is now listed as an argument in the densityplot function to indicate the uping the data by a particular variable (the one you chose!) - you can see that the title (and the position) of the legend hi ifled via auto.key (which you could naturally change by directly editing the script and re-running in R). Simulating for different population sizes and risks Select dataset tutorial In the simulation above the probability of being reported as a case was fixed at 0.2, as was the number of people residing in each area (fixed at 10 and 100). Below you can vary these parameters and explore the effect they have on the chart below, plotting the number of cases reported mydata - read.dts ("datafile.dta" (Note that each time you move one of the sliders, a new random draw will be taken from the appropriate underlying distribution - so the graph Set Input " vals " normexam >>> PACKages <- as.character(data.frame(installed.packages()) #Package von't necessarily look the same if you repeatedly choose the same values.) Risk (probability) of each person being reported as a case install.packages("lattice",repos#"http://cran.r-project.org" Set Input 66 bins >> " 15 " png ("Plot1.png", width=733, height=550) Histogram Template Histogram >>> . The histogram to the left plots the number of cases recorded across all 100 areas.

As you can see, the horizontal axis is scaled to cover all 6 histogram.svg possible outcomes (from no-one being reported as a case in an area, to everyone being reported as a case in an area) Statistics for journalists Breaking down big numbers 0 1 2 3 4 5 6 7 8 9 10 RoyalStatSoc • 10 videos • 108 views • Last u Map 1 This plot, to the left, is a schematic representation of red 'hotspots' (areas which have reported more cases than the most probable outcome) and blue 'coolspots' (areas which have reported less cases than the most probable outcome Statistics for Journalists workshop The white areas are those which happen to match the most probable outcome Given the probability (0.3) and the number of people in each Filmed at Science and statistics for journalists area (10) you specified above, the most probable outcome others are elemented in the stony - give for each area would be 3, but by chance it is likely that some Bloomberg in London will record more cases than this, and some will record less cases (and of course health authorities don't really know the underlying probabilty from which samples are drawn) Whilst the allocation of areas to each square of this 'map' is random, sometimes clusters will appear by chance. NOTE

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could scale this differently, e.g. differences from median or

possibly mode, or some other way of representing extent of