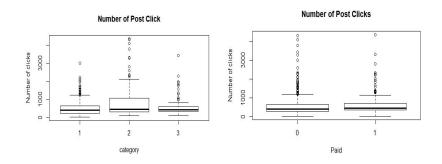
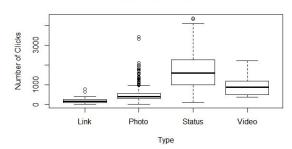
## Univariate Data Analysis Case II: Facebook Case

We will try and answer the following questions: 1. Who are the major contributors towards Post Clicks? 2. Is paying for getting post clicks effective? 3. How can you quantify the results obtained for paid effectiveness? > names(facebook) [1] "Nbr.Post Clicks" "Category" [3] "Type" "Post month" [5] "Post day" "Post time" [7] "Paid" "Page total likes" > str(facebook) 'data.frame': 499 obs. of 8 variables: \$ Nbr.Post Clicks : int 119 1108 132 1386 396 1016 379 422 1250 199 ... \$ Category : int 2 2 3 2 2 2 3 3 2 3 ... : Factor w/ 4 levels "Link", "Photo", ..: 2 3 2 2 2 3 2 ... \$ Type : int 12 12 12 12 12 12 12 12 12 12 ... \$ Post month : int 4 3 3 2 2 1 1 7 7 6 ... \$ Post day : Factor w/ 2 levels "A", "B": 2 1 2 1 2 1 2 1 2 1 ... \$ Post time : int 0001001100... \$ Paid \$ Page total likes: int 139441 139441 139441 139441 139441 ... > unique(Type) [1] Photo Status Link Video Levels: Link Photo Status Video > unique(Post time) [1] B A Levels: A B

Looking into the box plot of the number of clicks based on category after converting them into factors.



## **Number of Post Clicks**



We can see that it is most spread out for category 2. It seems like there is not much use in paid ads. The most number of post clicks was received by Status with Photo being the most spread out. The following test quantifies that paying does not really help.