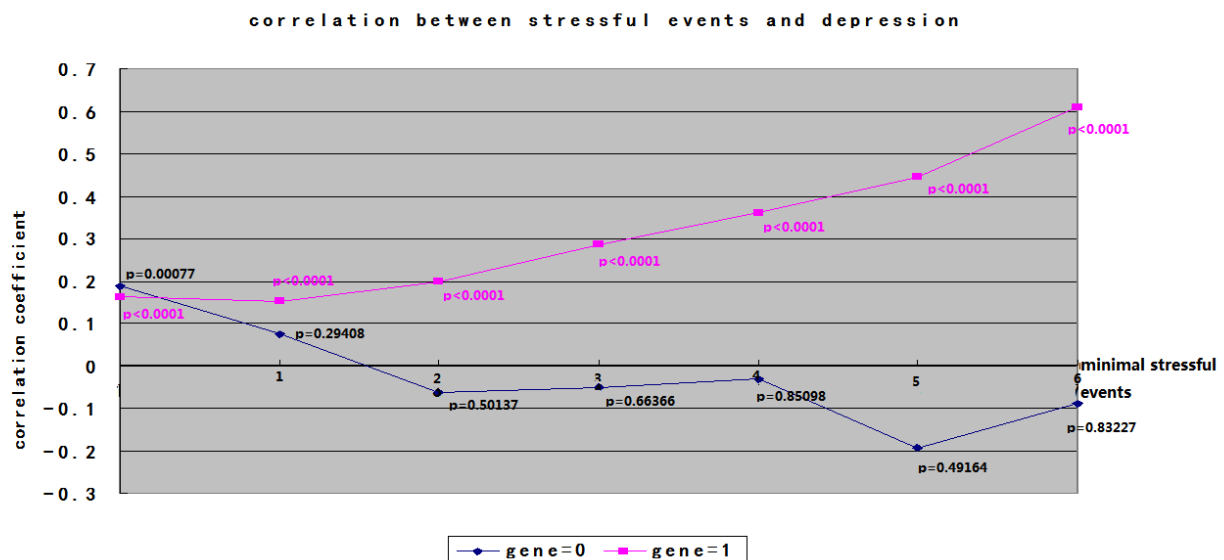


Genotype Influence on Resistance to Life Stress

We analyzed the dataset to see how people with different genotypes react to stressful life events. Conclusion is clear: for people with genotype 1, the more stressful life events they have experienced, the more likely they suffer depression. But for people with genotype 0, the chance of suffering depression does not increase when they have experienced more stressful life events. That is, people with genotype 0 have better resistance to life stress than people with genotype 1

To draw that conclusion, first, we classified people into two groups by their genotypes: gene=0 and gene=1. Then, for each group of people, we calculated the correlation coefficients and p-values between depression and stressful life events based on at least how many stress events one has experienced. We also make sure every result number is coming from a minimal sample number of 10. The following graphic clearly shows that there is a link between increase of life stress and more chance of suffering depression for people with gene=1. But for people with gene=0, there is no link between them.



Data source: <https://github.com/strugirl/gese/blob/master/gesedata.csv>