P8158 Homework 5

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1 Part I

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2 Bonanno et al. (2012) The drawbacks of unconditional 5 classes are that:

    1 The five-class model is not parsimonious and unviable as it just splits one class into two categories which account for only 1.6 percent in proportion;

    2 This model fails to converge when covariates are incorporated into the model;

3 * The slope for Low-stable group is 1.64, with se = 0.14 and p-value < 0.001, it's significant different from 0 because its large sample size (over 80%) and relative small standard error. * The slope for high-stable group is -5.07 with p-value being 0.36, which is not significant at all as it maintains a 2.2% proportion among all.

4 From Table 2., OR = 2.03 means multiple deployers who are heavy drinkers had 2.03 times greater odds of moderate-improving post-traumatic stress than low-stable tress keeping other factors constant.

2 Part II: Data Analysis

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References

Bonanno, G. A., Mancini, A. D., Horton, J. L., Powell, T. M., LeardMann, C. A., Boyko, E. J., Wells, T. S., Hooper, T. I., Gackstetter, G. D., Smith, T. C., et al. (2012). Trajectories of trauma symptoms and resilience in deployed us military service members: prospective cohort study. *The British Journal of Psychiatry*, 200(4):317–323.