**Summary**

I read two articles about latent growth curve modeling this week. The first article aimed to explore mediators of long-term effects of violent video games on aggressive behavior in children and adolescents. On the basis of social-cognitive theories of aggression, the study found that the initial level and change in violent game play (VGP) predicted aggressive behaviors (AB) in the final wave and this effect was mediated by aggressive cognitions (AC). It also examined the paths controlling for covariates such as age and parental monitoring, and made further explanation. Besides that, the study tested a model with empathy as mediator and the results provided additional support of the mediating roles of cognitive constructs rather than emotional constructs. In my opinion, that is necessary to support the conclusion in this paper. The results of the model are convincing.

In the other article, models were conducted from inflammatory bowel disease symptomatology (IBD) and cognitive fusion to psychological or physical health at 3 waves. The model is simpler than the above one because there were only two variables in each model. It examined the effects of IBD and cognitive fusion on psychological or physical health, respectively. One question is that the two predictors including IBD symptomatology and cognitive fusion were not presented as latent variables in the model and there were no explanation about this.

I learned the basic application of LGC in longitude research from the two articles. I will keep on learning the method using in our project.

**References:**

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[2] I. A. Trindade, C. Ferreira and J. Pinto-Gouveia, "The longitudinal effects of emotion regulation on physical and psychological health: A latent growth analysis exploring the role of cognitive fusion in inflammatory bowel disease," *BRITISH JOURNAL OF HEALTH PSYCHOLOGY,* vol. 23, pp. 171-185, 2018.