

Meeting: 1003, Atlanta, Georgia, MAA CP L1, MAA Session on Using Real-World Data to Illustrate Statistical Concepts, I

1003-L1-503 **David E. Payne*** (payne@monmouth.edu), Dept. of Psychology, Monmouth University, 400 Cedar Ave., West Long Branch, NJ 07764. *Psychology Data for - and from - Applied Statistics Students.* PsychExperiments at the University of Mississippi is an NSF-funded source of archived data in Excel format (<http://psychexps.olemiss.edu/Downloads/data.htm>). Students in my applied statistics course participated in three timed tasks at that web site, and contributed data to an additional survey via an internet-based course management system. They then analyzed their data and those from a concurrent class of students. This presentation will discuss the PsychExperiments data archives and students' reactions to this assignment. Future work will examine relationships between certain aspects of students' exam performance (such as statistical calculations, concepts, and decisions) and the measures mentioned above (visuospatial working memory, verbophonological working memory, executive control processes, reasoning ability, and cognitive style). (Received September 17, 2004)