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Joseph P McCollum* (jmccollum@siena.edu), Siena College, School of Business, 515 Loudon Road, Loudonville, NY 12211, and **Arindam Mandal**. *Seasonality and Autocorrelation: The typical “problem” children in business statistics*. Preliminary report.

In business statistic classes when you talk about economic data, for example consumer confidence or unemployment rates, you will typically meet with the issues of seasonality and autocorrelation. We believe by using hands on data the students get a better feel for these abstract ideas and hopefully a better appreciation for the pitfalls that come with using linear regression and time series. In our presentation we will look at an unemployment data set collected from the Bureau of Labor Statistics and data collected on consumer confidence from the Siena Research Institute. We believe with a perfectly picked data set the topic of time series can be more understandable for entry level statistic classes. We would like to show this data set and talk about some of the many real world obstacles that face business students when it comes to analyzing statistical data. (Received September 10, 2012)