1086-G5-2928 **Randall Pruim*** (rpruim@calvin.edu). *How a little linear algebra can go a long way in the Math Stat course.*

Statistics courses generally take an approach that avoids linear algebra altogether or assumes more linear algebra than most undergraduates have seen when they take their first statistics course. This talk explores a middle ground where a brief introduction to or review of linear algebra that emphasizes a geometric approach is used to demystify things like degrees of freedom and linear models. Treating data as a vector (or matrix) also mirrors how it is treated in modern computational tools like R, which is used for numerical applications. (Received September 26, 2012)