

1014-Z1-1306 **William M. Wagner***, 1399 A Lake Shore Drive, Columbus, OH 43204. *Three Singular Matrices in Business, Industry, and Government.*

Circumstances involving the discoveries (outside the classroom!) and "repairs" of the following three singular matrices shall be discussed.

I A multiple linear regression including a constant term with percentages as the independent variables.

II An inadvertant attempt to fit a quadratic surface to a degenerate hyperbola.

III A system of nine equations in cartesian coordinates whose equivalent system in polar coordinates consists of only eight equations. (Received September 27, 2005)