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Stephen M. Stigler* (stigler@uchicago.edu), Statistics Department, 5734 University Ave, Chicago, IL 60637. *The Seven Pillars of Statistical Wisdom*.

What is statistics – how does it differ from mathematics and computer science as a discipline? Taking a historical perspective I will specify seven great ideas that have evolved to form the support, the pillars of our discipline. The presentation of these seven will be in historical context, but this is not intended to be exclusively a historical talk. They are intended to show the relevance of history for the understanding of a mathematical science. They will illuminate the ways the use of mathematics can lead to unsuspected paradoxes; for example, how wrong an elementary result of Euclid’s can be for the modern age, the surprising roles symmetry and additivity can play in agricultural experimentation, and the counter-intuitive behavior of accumulating statistical information. (Received July 07, 2015)