Making statistical thinking more productive

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Abstract   The use of the concept of plausibility is proposed for the comparison of psychological or physical images of an object with extremely complex structure. This concept helps the process of developing new image of an object that is not captured by the past observational data. It is argued that this process is the essential aspect of statistical thinking developed by original thinkers in various fields of scientific research with the aid of a model. The use of plausibility helps this process of thinking. A practical example is given by the analysis of golf swing motion.