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## Problem Solving

The following are intended to characterize my approach to solving math, statistics, and data problems. In most cases, solutions are given, but my primary intent is to demonstrate an ability to clearly state an objective, identify a solution domain, differentiate potential solutions, and choose and develop one that will efficiently and accurately satisfy the objective. I have studied math and statistics at an advanced level, enjoy researching past problems and new methods, insist on being able to explain the theory and justification of anything I use, and am ever careful to test assumptions and suitability of any method employed. One satisfying, but not always achievable, result is to find alternate solutions to a single problem. The ability to confirm results and to critique and choose between methods increases one's confidence, develops one's intuition, and improves overall analytical effectiveness. Solutions are generally implemented for the real world in SQL, SAS, R, one of many programming languages, a TI-89, or whatever delivery system is most appropriate for the final user.