

## **Data Analytics: Upstream E&P**

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### **Abstract**

Analytics are the buzz word and fastest growing process not only in the Oil & Gas Industry but in most industries and society in general. Analytic programs are sprouting across the academic world at breakneck speeds. The main tool, Multivariate Statistical Analyses, are tools and processes you can do and which you need to be involved or potentially risk being left behind. The solutions from basic Analytics are powerful, insightful, technical, financial and business answers for issues we all address professionally and in our daily lives.

You can do this and in some ways your input and involvement will be superior to the mathematician and statistician. We can also obtain superior results by explaining variables and parameters that we use for the mathematician and statistician in their terms to assist them in understanding geoscience, engineering, land and other inputs that are part of our investigations, interpretations, processes and goals making these Analytical professionals process and solutions more complete and useful.

We will share six stories of successful Analytical studies that resulted in superior solutions than previous decades of prior non-Analytical geoscience and engineer interpretation which includes: finding new drill well locations, one that came in at 6,000 BOPD and paid out in 4-1/2 days, field unitization, GeoEconometric models, 7-11 individual product marketing predictions and product placement and Money Ball Golf at Marathon Oil Company in the 1980s. How can you learn the basics of Analytics and be an effective contributor using this tool? We will outline new training and practical application assistance available for you and your companies.