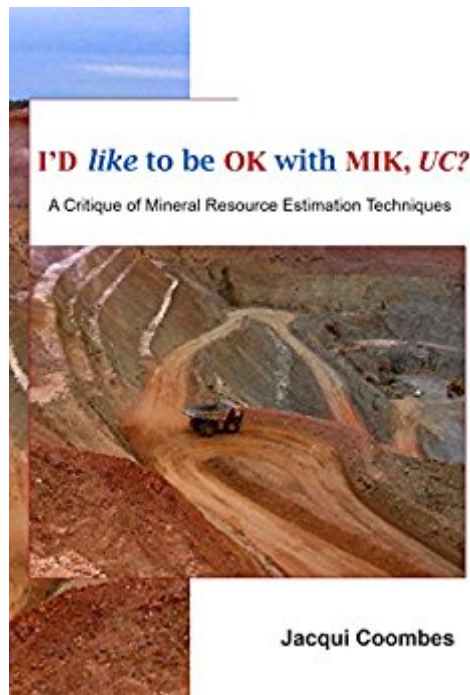


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# I'D Like To Be OK With MIK, UC?: A Critique Of Mineral Resource Estimation Techniques



## Synopsis

This is a book for Resource Geologists and Mining Engineers in the mining industry who regularly face the challenge of which estimation technique to use, how to use it and why to use it, and then what parameters to choose. This book builds on the introduction to resource estimation provided in Jacquiâ€™s first book, *âœ“The Art and Science of Resource Estimationâœ•*. The style is similarly pragmatic and accessible. Selecting an estimation method for modelling Mineral Resources is a challenge for many Resource Geologists, especially when they have to justify their choices, ensure the best possible parameters are selected and go on to classify the risks in accordance with a public reporting code. The purpose of this book is to help practitioners develop their understanding in a way that enables them to clarify their selections and decision making in the resource estimation process. This is not an introductory text, yet it is written with pragmatic users in mind. This book is not full of mathematical equations (there are a few, but only where necessary and invariably supplemented with explanations). Instead the focus is on exploring concepts, testing assumptions, and developing an appreciation for the thinking and scientific reasoning required at various milestones along the estimation journey. Estimation methods explored include Inverse Distance, Simple and Ordinary Kriging, Multiple Indicator Kriging. This book also takes a pragmatic and in depth assessment of Recoverable Resource Estimation methods such as Uniform Conditioning, Local Uniform Conditioning and various MIK approaches. This book includes numerous discussions and evaluations of effects of parameter selections that apply to specific methods, as well as the general decisions and parameters that apply broadly across all techniques. Ultimately as a Resource Geologist you need to formulate your own estimation strategy in accordance with the context and the purpose. This book is designed to help you develop an ability to critique the context, the methods and the associated parameters, so that you can develop your ability to make informed and reasoned choices. I hope this book contributes as a catalyst in your learning journey, guiding you as you develop your critical reasoning through the types of questions and evaluations that are possible. Mostly, my wish is that the book facilitates discussion and debate, valuable processes for forming reasoning and reasonable basis that contribute to good quality resource estimates and subsequent mining and investment decisions.

## Book Information

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Very informative. Much better if worked examples will be provided per chapter especially on recoverable reserves

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