

### 3.2 Developing a “Full Value Pig” Model from Historical Data

Presenting Organisation: Innovent Technologies.



**INNOVENT**  
TECHNOLOGY

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**Abstract (Technical Topics and Desired Outcomes):** Innovent Technology Ltd is a technology company focused on livestock data modelling and live animal image analysis. The company now exports its innovative *qscan* system, which assesses growth using advanced video imaging technology, to the USA, Europe and China. This technology allows an understanding of growth and variance without the need to physically weigh pigs.

Innovent Technologies would like to explore the concept which they call the “Full Value Pig” where a pig has a theoretical maximum value depending on inputs of the farmer and a series of complex contracts offered by the abattoir.

**Aspirations:** The idea would be to come up with a model that would allow a producer to identify a pig or groups of pigs which would attain the best return given their inputs, the weight / conformation of that pig, and the contracts available to the farmer.

**Resources Available for this Problem:**

- Experts from Innovent Technologies
- Historical data from three million pigs
- Contract details



**References:**

1. <http://www.itluk.net/products.asp>