

- Platform for analyzing large datasets
- Uses its own language called Pig Latin
- Pig Latin is really easy to write!
- Automatically optimizes code execution

# **Apache Pig**

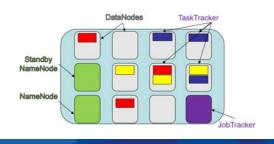
## Pig runs on Hadoop. It makes use of HDFS and Yarn.



Hadoop 2.0 uses YARN (Yet Another Resource Negotiator)

This splits up JobTracker's two primary responsibilities, resource  $\label{eq:control} % \[ \begin{array}{c} (x,y) & (x,y) \\ (x,y) & (x,y$ management and job scheduling, into two separate daemons; the  $\,$ Resource Manager and Application Master. These handle scheduling and accepting job submissions.

The TaskTracker is effectively replaced by NodeManager, which is responsible for monitoring node resource usage (memory, cpu etc.)



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## Apache pig philosophy

Pig.apache.org/philosophy.html

### **Pigs Eat Anything**



### **Pigs Live Anywhere**



#### **Pigs Are Domestic Animals**

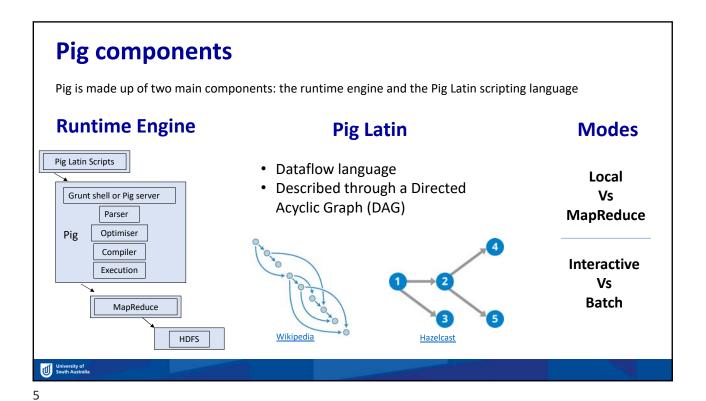


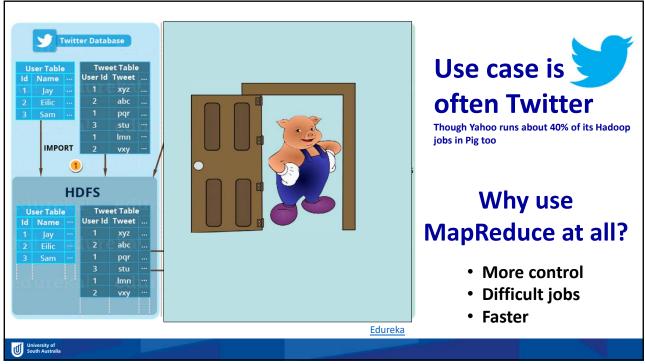
#### **Pigs Fly**



Pigs are ... light?

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