Motivational Work

In this section, we will describe a series of experiments conducted on a tiered-based LSM implementation. These experiments seek to provide insight and motivate the rest of the thesis with regards to the compression trade-off landscape. This section will be broken up into four different parts as follows:

* Experimental Setup
* Tradeoff of Compression vs. Writes
* Tradeoff of Compression vs. Reads
* Space Savings and Compression Ratio

In each of these sections, we will showcase some useful experimental results that will help guide the direction of our trade-off model which comes in the next chapter.

Experimental Setup