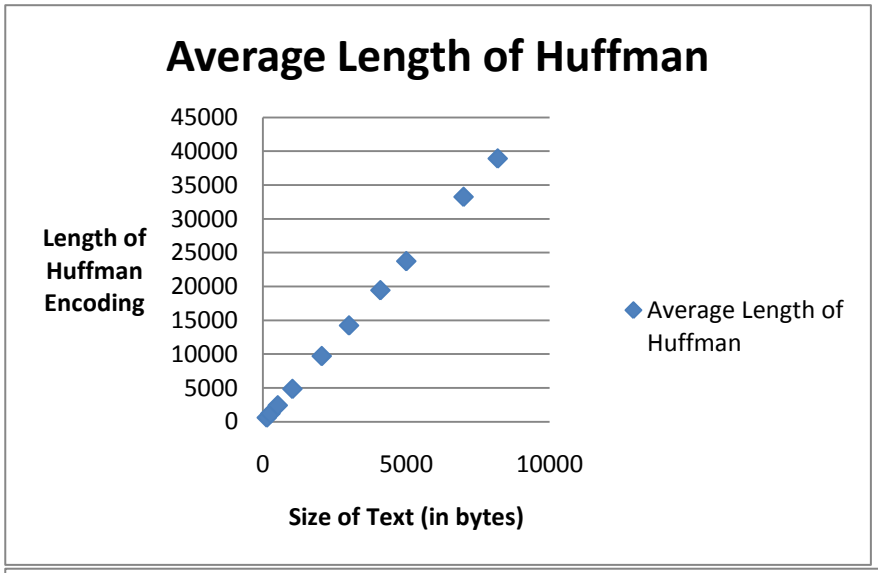
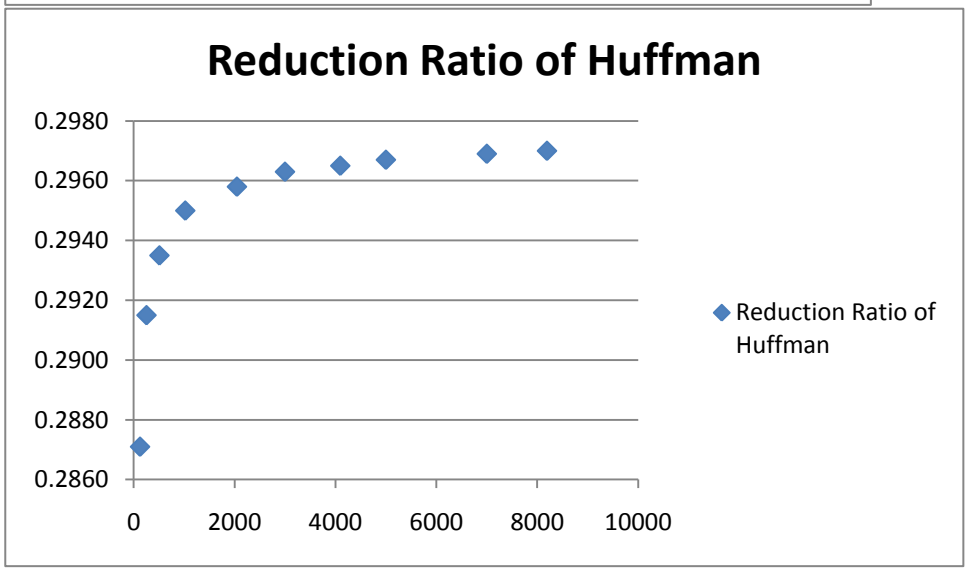
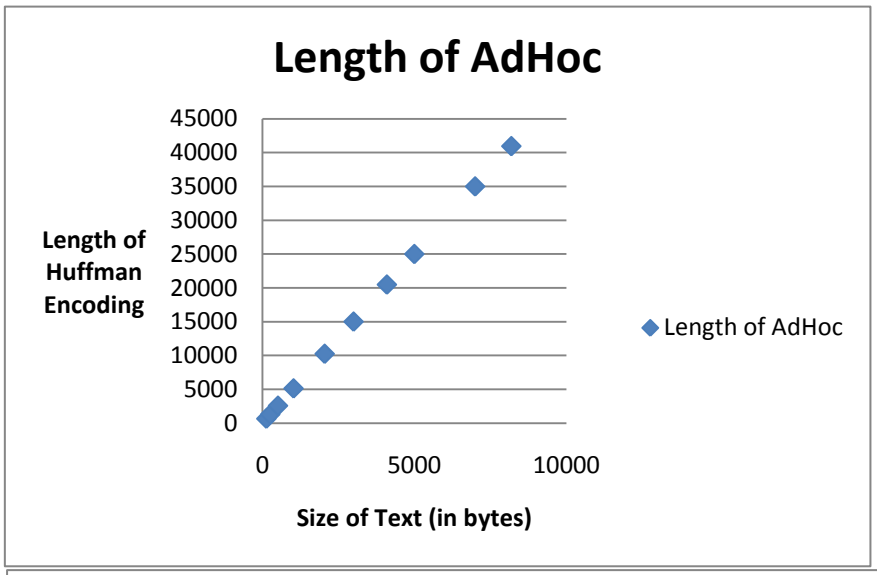
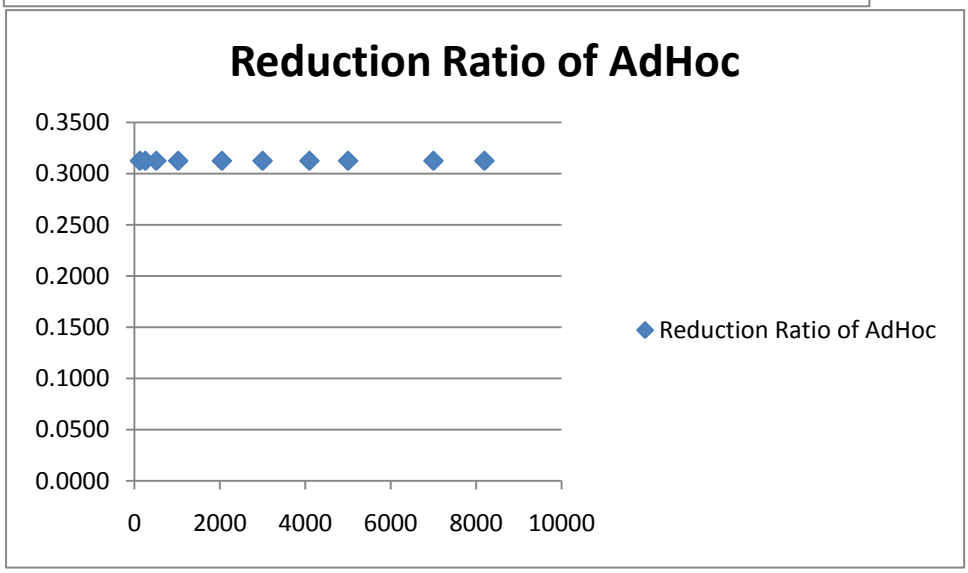
Size	Average Length of Huffman	Reduction Ratio of Huffman	Length of AdHoc	Reduction Ratio of AdHoc
128	588	0.2871	640	0.3125
256	1194	0.2915	1280	0.3125
512	2405	0.2935	2560	0.3125
1024	4834	0.2950	5120	0.3125
2048	9696	0.2958	10240	0.3125
3000	14225	0.2963	15000	0.3125
4096	19437	0.2965	20480	0.3125
5000	23740	0.2967	25000	0.3125
7000	33259	0.2969	35000	0.3125
8192	38934	0.2970	40960	0.3125









The AdHoc encoding method is better for randomly generated text. AdHoc provides a reduction of .3125, while Huffman is always less than that. This happens because Huffman is based on language, where some letters will happen more often than others.