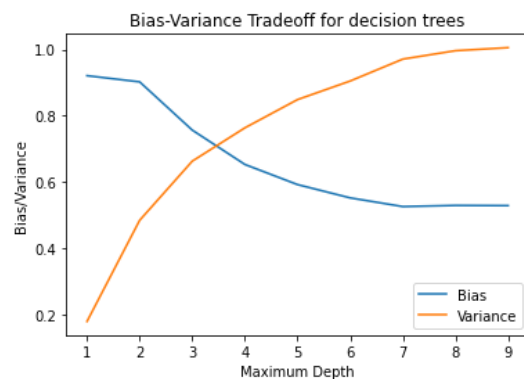


As can be seen from the tradeoff curve, the intersection for bias and variance comes at around a maximum depth of 3 for sample size 30 and considering 5 models.

With varying sample size, the tradeoff curve changes as follows:



Sample size = 40



Sample size = 20

Time Analysis:

92.6 ms \pm 6.49 ms per loop (mean \pm std. dev. of 7 runs, 1 loop each)