A delay-based dynamic scheduling algorithm for bag-of-task workflows with stochastic task execution times in clouds

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Abstract

Results of DDS and URH algorithms under the uniform distribution type.

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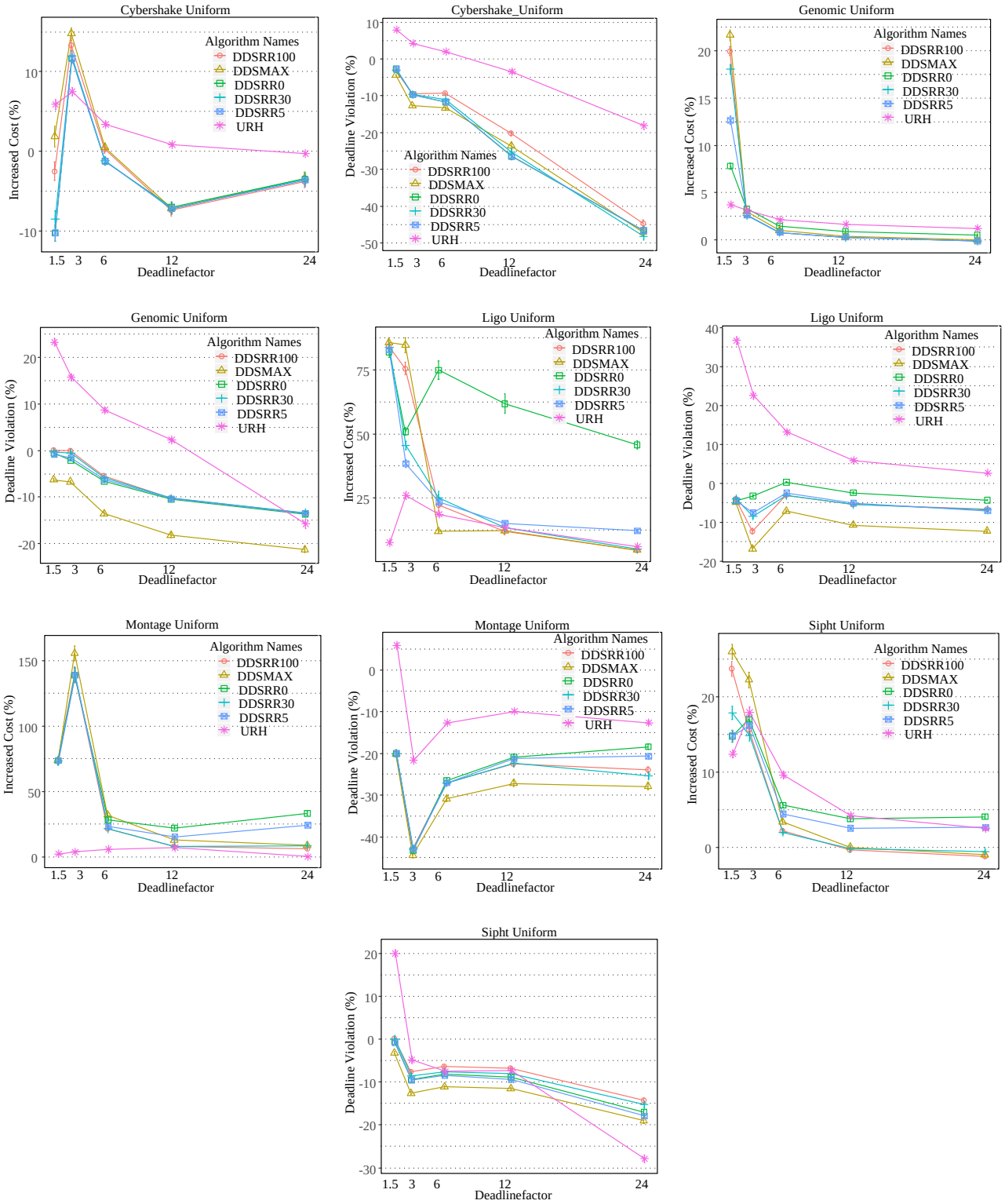

Figure 1: The means plot for PIC and PDV with 95.0% Tukey Honest Significant Difference (HSD) confidence intervals of URH and DDS algorithms with different deadline factors

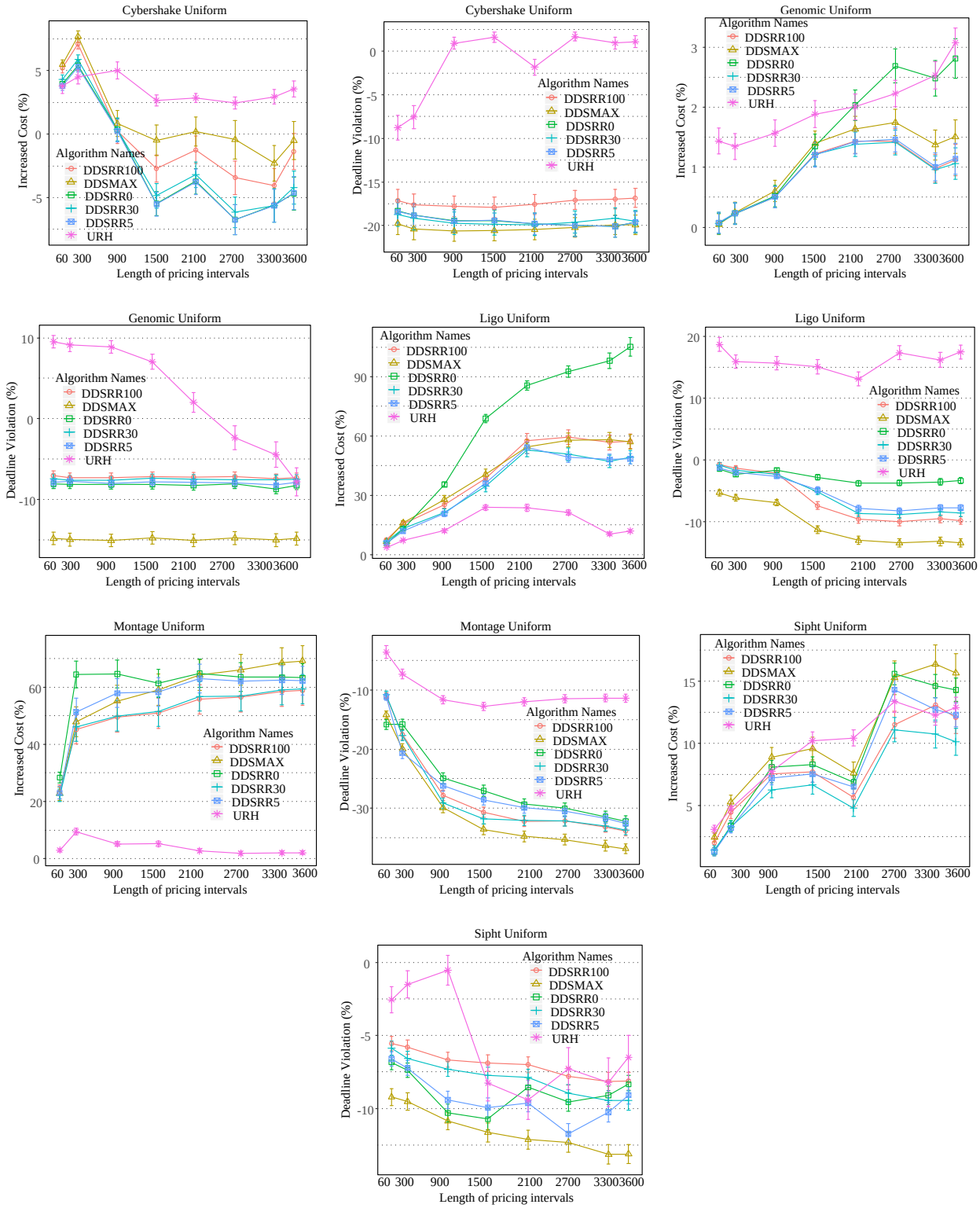

Figure 2: The means plot for PIC and PDV with 95.0% Tukey Honest Significant Difference (HSD) confidence intervals of URH and DDS with different length of pricing intervals

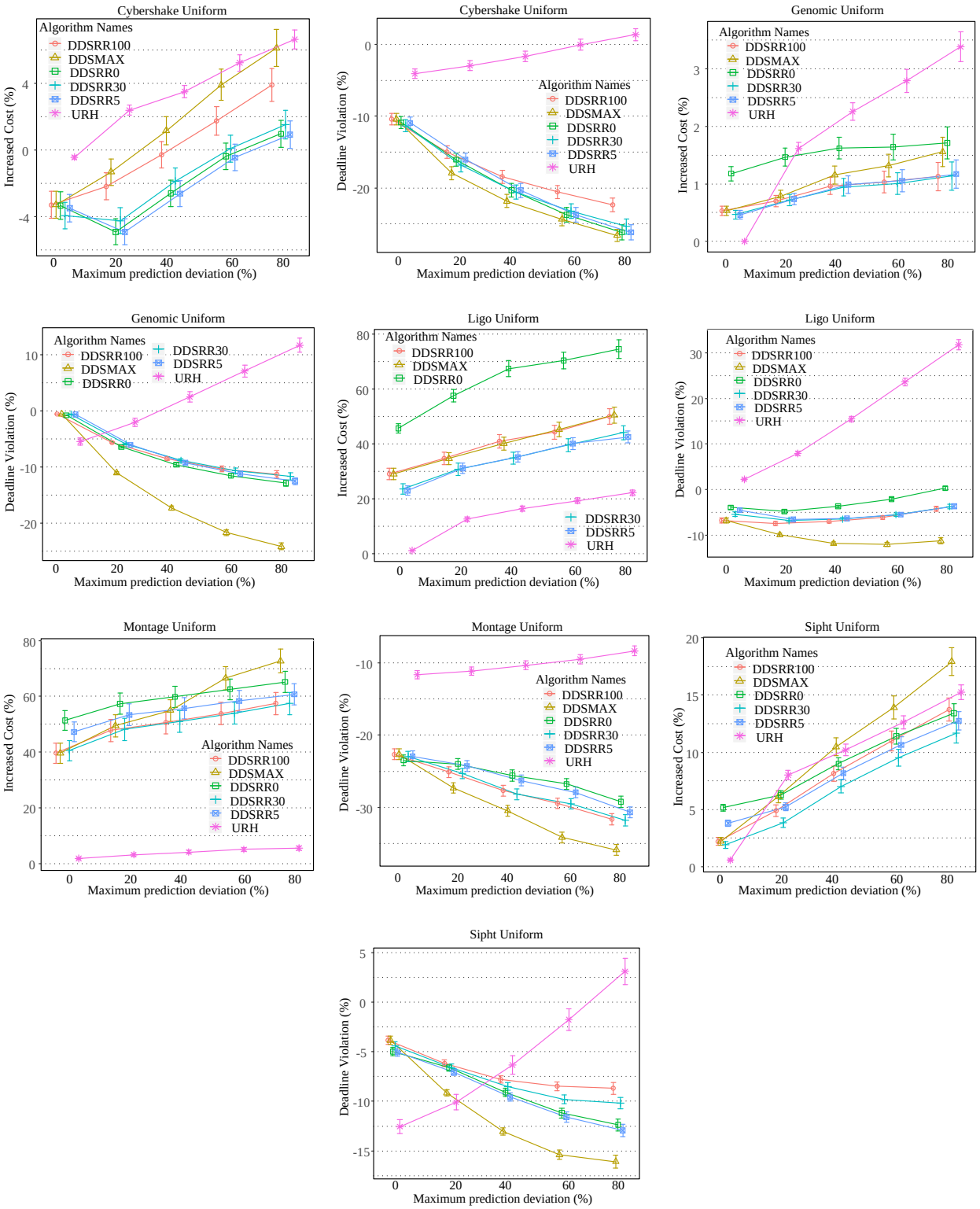

Figure 3: The means plot for PIC and PDV with 95.0% Tukey Honest Significant Difference (HSD) confidence intervals of URH and DDS with different maximum prediction deviation of task execution times