\*\*\*\*\*\*Random Projection Result\*\*\*\*\*\*\*\*\*

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**Ionosphere split:**

Original data: LinearSVC best C = 1, best CV error = 6.4516

Random hyperplane data: For k = 10000:

LinearSVC best C = 0.001, best CV error = 3.2258

**Breast cancer split:**

Original data: LinearSVC best C = 100, best CV error = 1.9627%

Random hyperplane data: For k = 10000:

LinearSVC best C = 0.1, best CV error = 4.9015%

**Qsar split:**

Original data: LinearSVC best C = .1, best CV error = 11.5795%

Random hyperplane data: For k = 10000:

LinearSVC best C = 0.001, best CV error = 9.0573%

**Climate split:**

Original data: LinearSVC best C = 100, best CV error = 2.4108%

Random hyperplane data: For k = 10000:

LinearSVC best C = 0.001, best CV error = 3.1259%

**Micromass split:**

Original data: LinearSVC best C = .1, best CV error = 6.1982%

Random hyperplane data: For k = 10000:

LinearSVC best C = .1, best CV error = 3.7857%