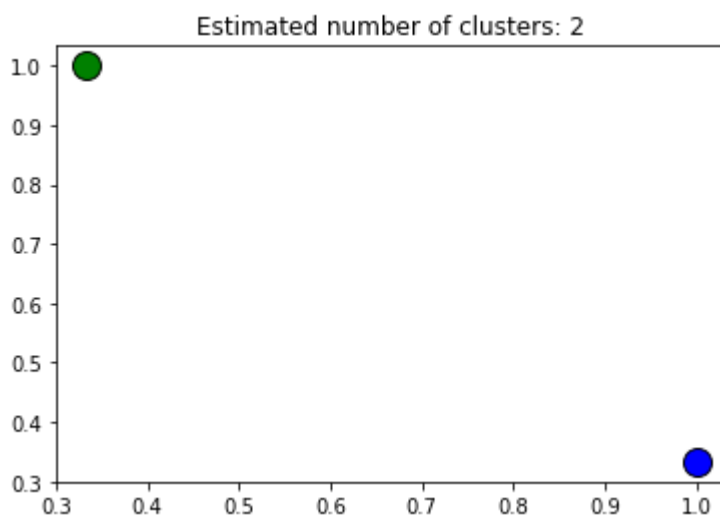
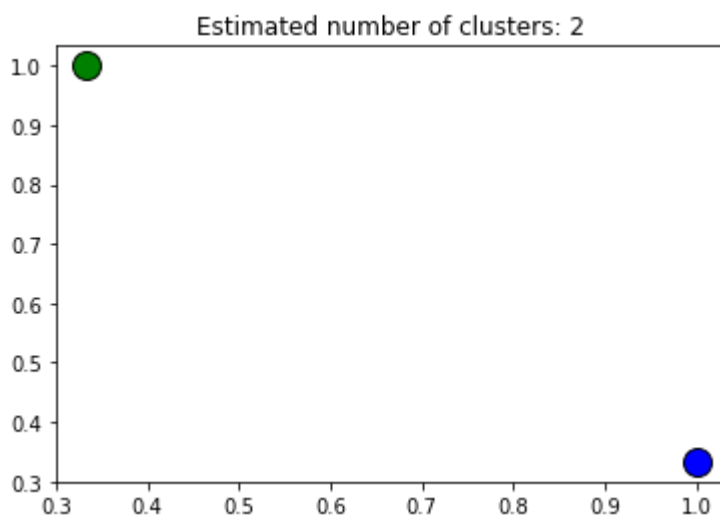


4. Clusters of Usage Patterns/Sequence of Sudoku Robot Master:

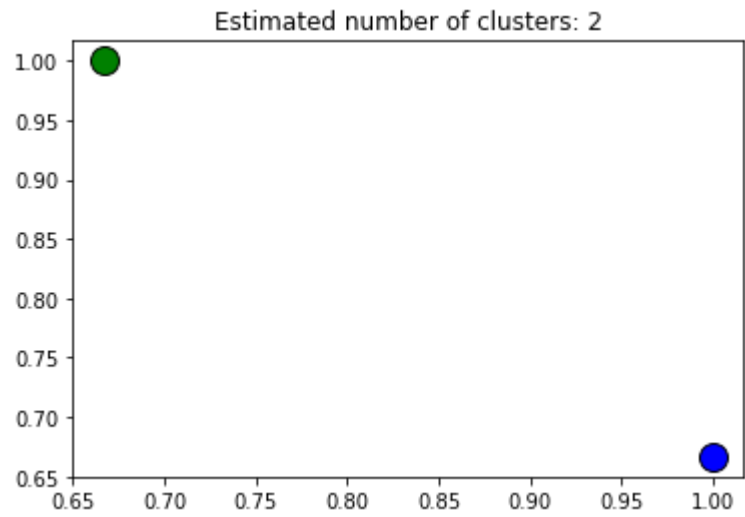
tf.reshape()		
1	Pre-Set:	{tf.placeholder}
	Post-Set:	{tf.placeholder, tf.argmax}
	Accompany-Set:	{}
2	Pre-Set:	{}
	Post-Set:	{}
	Accompany-Set:	{}



tf.argmax()		
1	Pre-Set:	{tf.placeholder, tf.reshape}
	Post-Set:	{}
	Accompany-Set:	{}
2	Pre-Set:	{tf.nn.softmax}
	Post-Set:	{tf.reduce_mean, tf.nn.softmax_cross_entropy_with_logits, tf.train.GradientDescentOptimizer, tf.equal, tf.cast, tf.global_variables_initializer, tf.train.Saver, tf.Session}
	Accompany-Set:	{}



tf.Variable()		
1	Pre-Set:	{}
	Post-Set:	{tf.truncated_normal}
	Accompany-Set:	{}
2	Pre-Set:	{}
	Post-Set:	{tf.constant}
	Accompany-Set:	{}



tf.nn.relu()		
1	Pre-Set:	{tf.nn.conv2d, tf.nn.max_pool}
	Post-Set:	{}
	Accompany-Set:	{}
2	Pre-Set:	{tf.matmul}
	Post-Set:	{}
	Accompany-Set:	{}

