

Probability: $\underbrace{0 \quad 0.5 \quad 1 \quad 1.5 \quad 2}$

| | c_1 | c_2 | $c_{1'}$ |
|---|--------------------|-----------------|----------|
| 0 | $v_1 + v_3 + v_2,$ | $v_2 + v_3,$ | $v_1,$ |
| 1 | $v_4 + v_3 + v_5,$ | $v_5 + v_3,$ | $v_4,$ |
| 2 | $v_8,$ | v_8 | |
| 3 | $v_6,$ | $v_6 + v_7,$ | v_7 |
| 4 | $v_9,$ | $v_9 + v_{10},$ | v_{10} |
| 5 | | | |

Distributions of clusters

Clustering results

$$c_1 = \{v_1, v_3, v_4, v_2', v_5', v_6', v_8', v_9'\}$$

$$c_2 = \{v_2, v_5, v_6, v_8, v_9, v_3', v_7', v_{10}'\}$$

$$c_{1'} = \{v_{1'}, v_{4'}, v_7, v_{10}\}$$

Cores required by clusters

$$Prob_{max}(c_1) = 2.5$$

$$Prob_{max}(c_2) = 2$$

$$Prob_{max}(c_{1'}) = 1$$