**Probability Distributions**

Distribution: Normal

|  |  |  |
| --- | --- | --- |
| *Parameters:* | *Mean* | *Std. Dev.* |
| Dist. 1 | 0 | 1 |
| Dist. 2 | 0,1 | 2 |
| Dist. 3 | 0,4 | 3 |
| Dist. 4 | 0,5 | 5 |
| Dist. 5 | 0,6 | 3 |

**Cumulative Distribution**

Distribution: Normal

Lower Tail Area (<)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Variable* | *Dist. 1* | *Dist. 2* | *Dist. 3* | *Dist. 4* | *Dist. 5* |
| 0 | 0,5 | 0,480058 | 0,446962 | 0,46017 | 0,420738 |

Probability Density

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Variable* | *Dist. 1* | *Dist. 2* | *Dist. 3* | *Dist. 4* | *Dist. 5* |
| 0 | 0,398942 | 0,199222 | 0,131804 | 0,0793905 | 0,130348 |

Upper Tail Area (>)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Variable* | *Dist. 1* | *Dist. 2* | *Dist. 3* | *Dist. 4* | *Dist. 5* |
| 0 | 0,5 | 0,519942 | 0,553038 | 0,53983 | 0,579262 |

**Inverse CDF**

Distribution: Normal

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *CDF* | *Dist. 1* | *Dist. 2* | *Dist. 3* | *Dist. 4* | *Dist. 5* |
| 0,01 | -2,326352178 | -4,552704356 | -6,579056534 | -11,13176089 | -6,379056534 |
| 0,1 | -1,281554359 | -2,463108718 | -3,444663077 | -5,907771795 | -3,244663077 |
| 0,5 | 0 | 0,1 | 0,4 | 0,5 | 0,6 |
| 0,9 | 1,281554359 | 2,663108718 | 4,244663077 | 6,907771795 | 4,444663077 |
| 0,99 | 2,326352178 | 4,752704356 | 7,379056534 | 12,13176089 | 7,579056534 |









