

## Chapitre 4 Tests d'hypothèses

### 4.1 Introduction

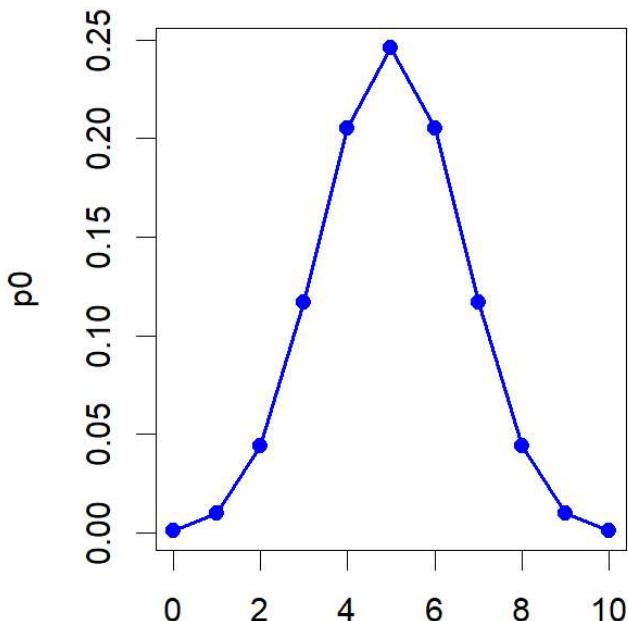
#### Exemple avec pile ou face

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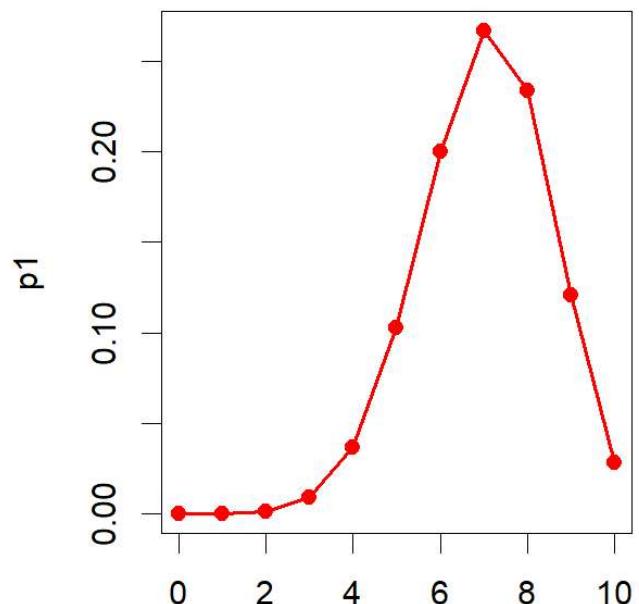
```
[1] 0.0010 0.0098 0.0439 0.1172 0.2051 0.2461 0.2051 0.1172 0.0439 0.0098 0.0010
```

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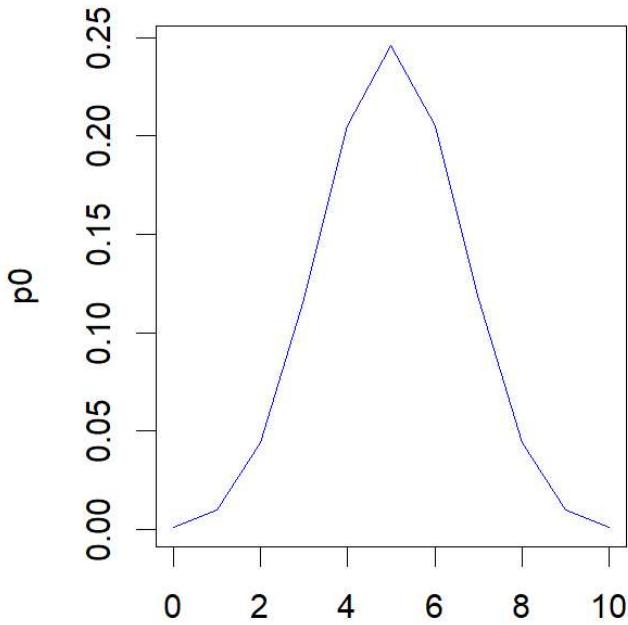
**Proba 0.5**



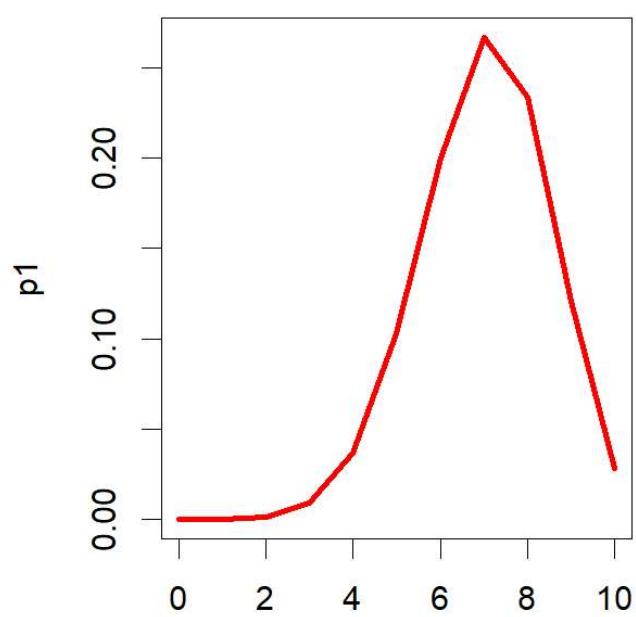
**Proba 0.7**

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**Proba 0.5**

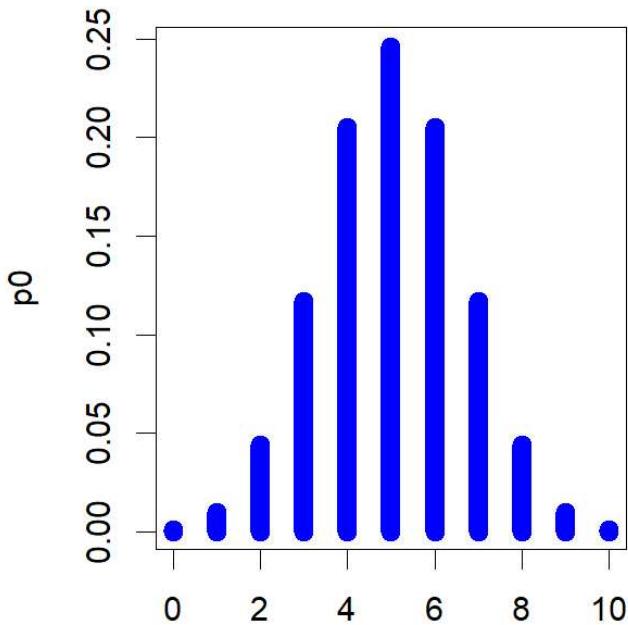


**Proba 0.7**

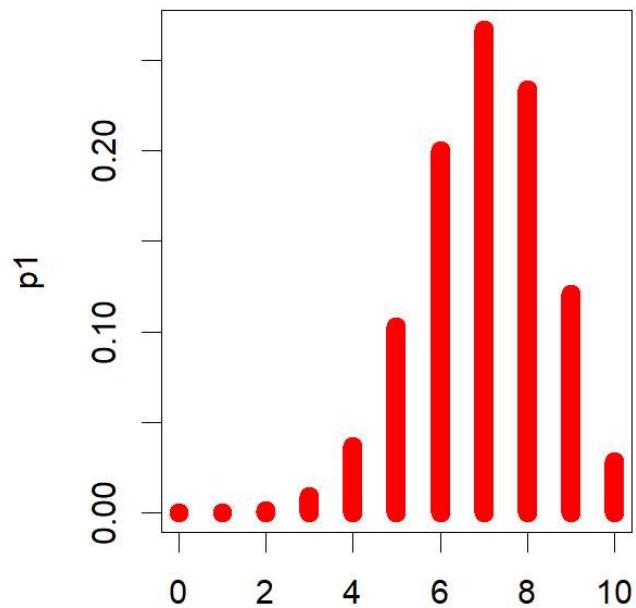


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**Proba 0.5**



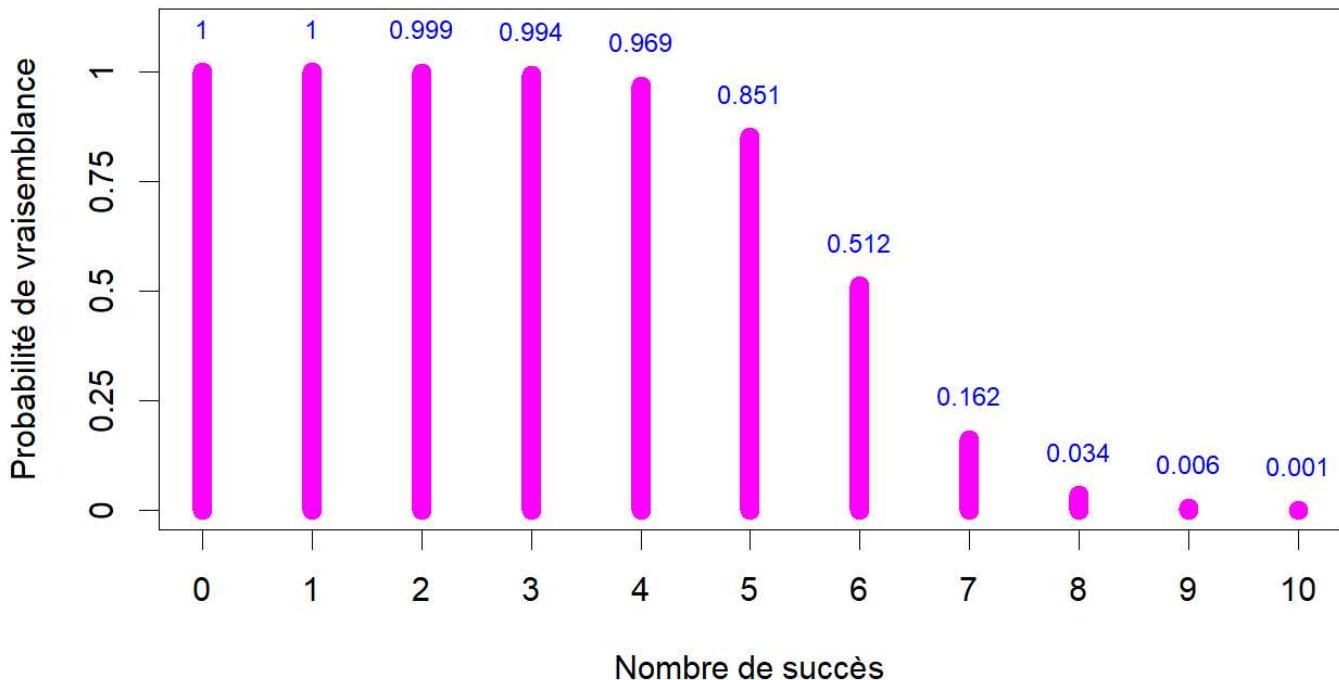
**Proba 0.7**



Si on obtient un certain résultat et que nous voulions décider qu'elle probabilité est la plus vraisemblable. On peut faire le rapport de vraisemblance

```
[1] 165.382 70.878 30.376 13.018 5.579 2.391 1.025 0.439 0.188 0.081 0.035
```

### Probabilité que $p = 0.5$



## Probabilité que $p = 0.7$

