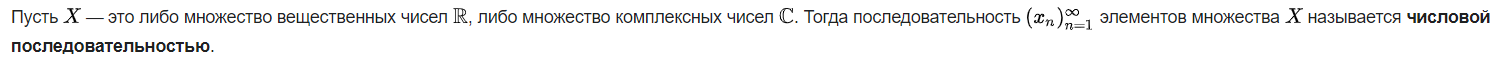
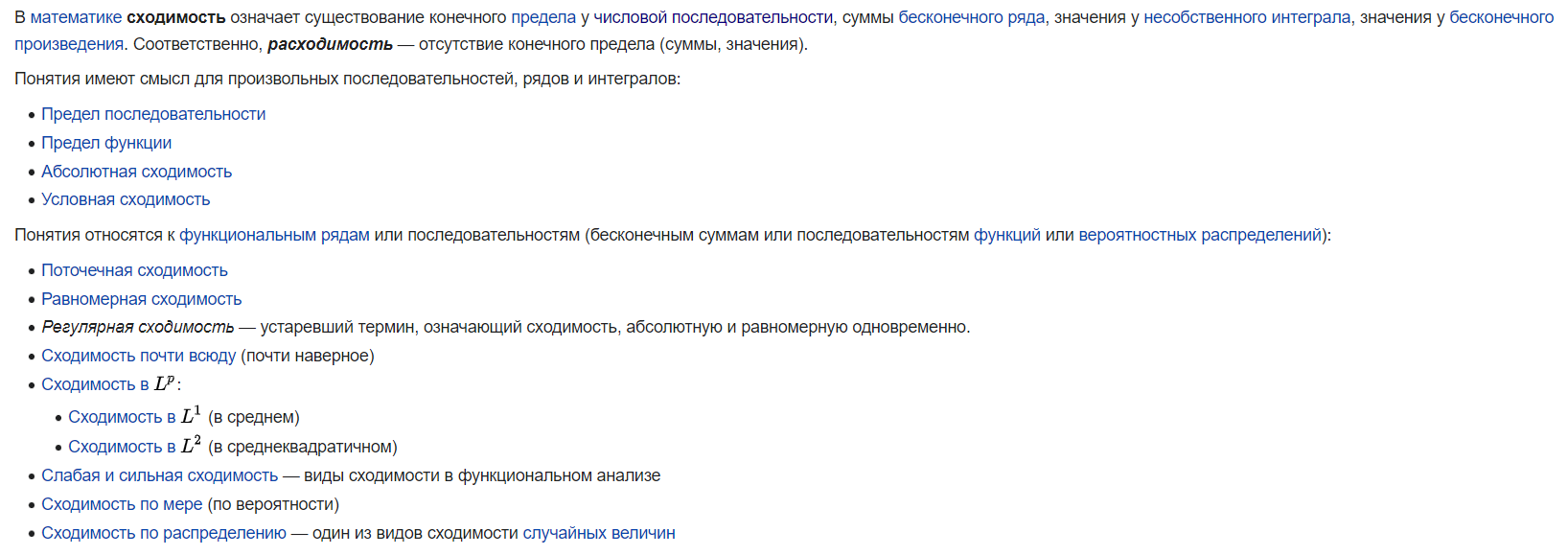
Recap of prerequisite facts

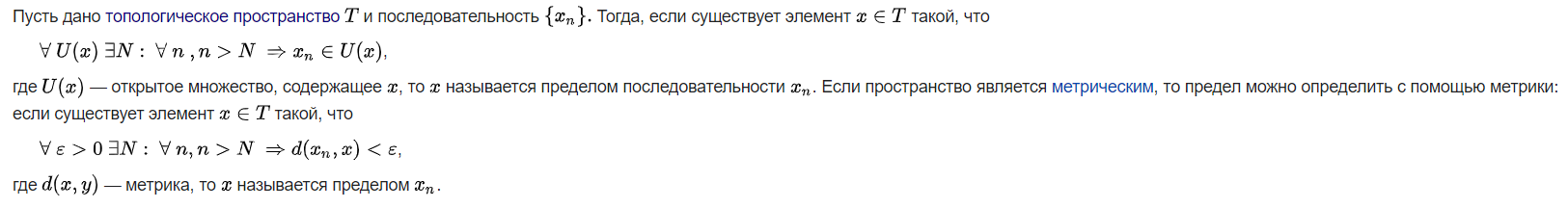
## Последовательность

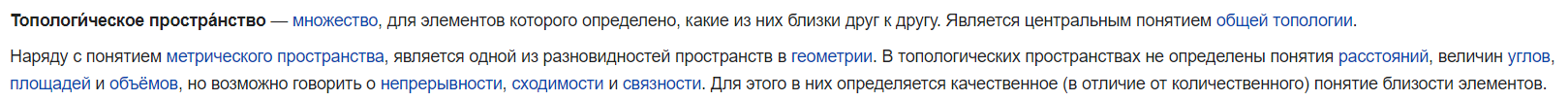
В математике последовательность — это пронумерованный набор каких-либо объектов, среди которых допускаются повторения, причём порядок объектов имеет значение. Нумерация чаще всего происходит натуральными числами.

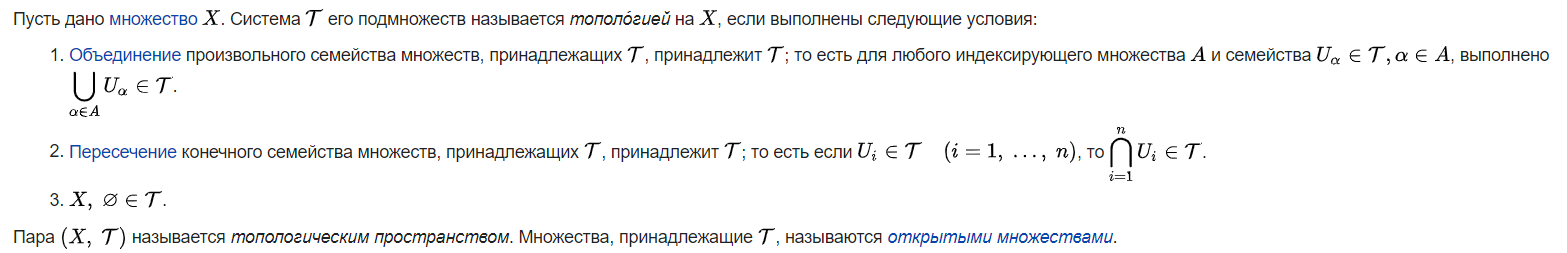


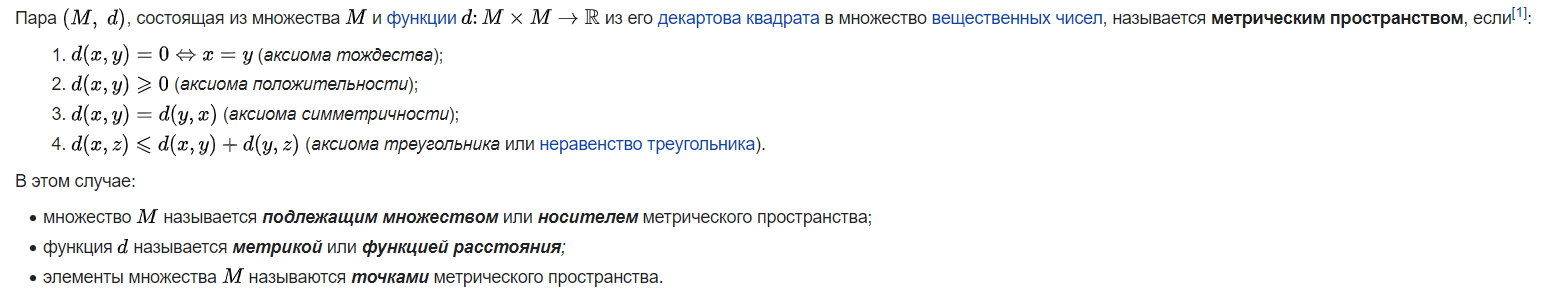
## Сходимость





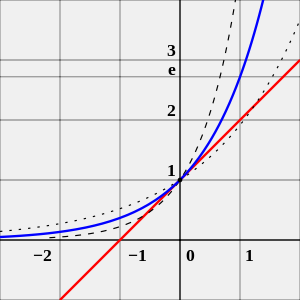


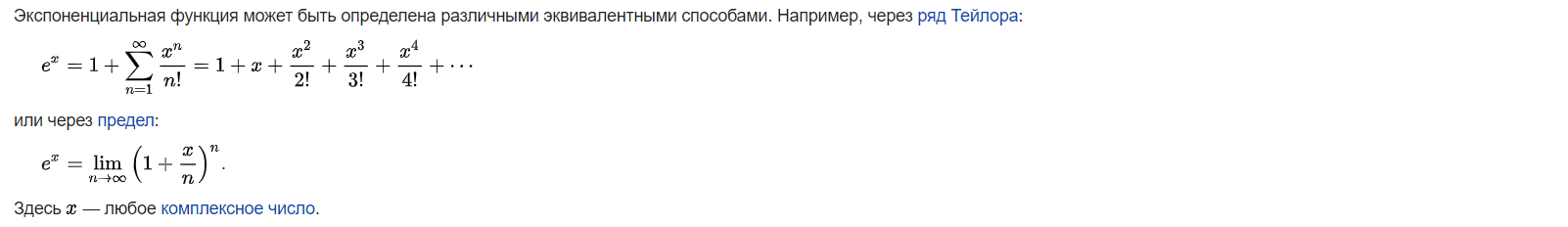




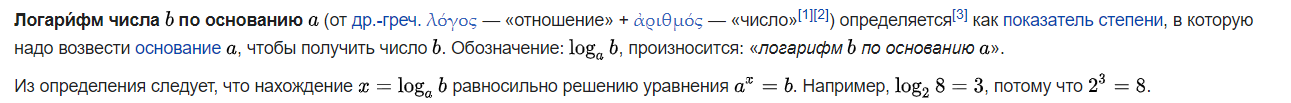
## Экспонента

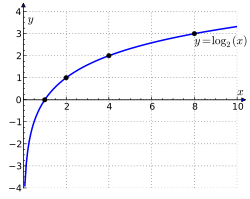




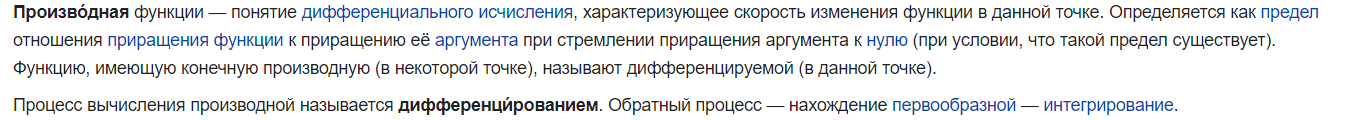


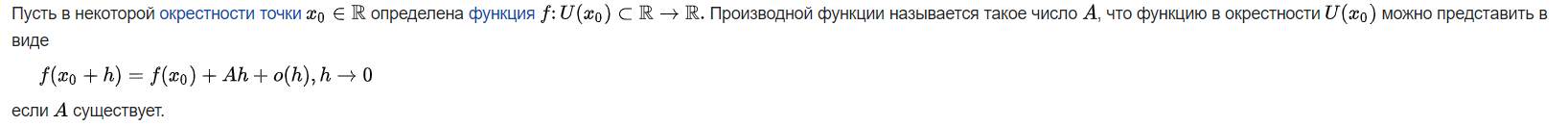
## Логарифм



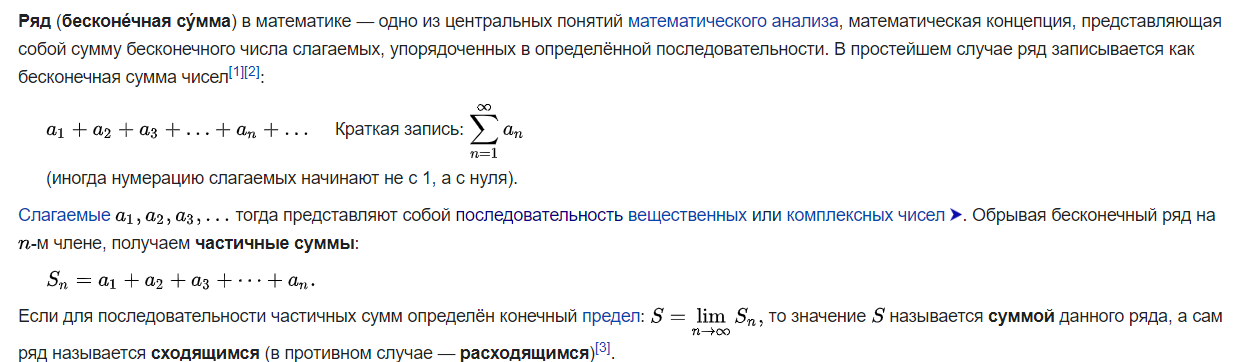


## Производная

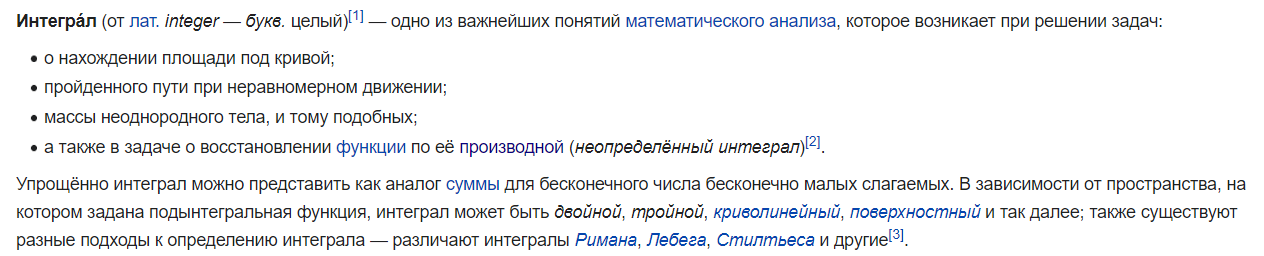


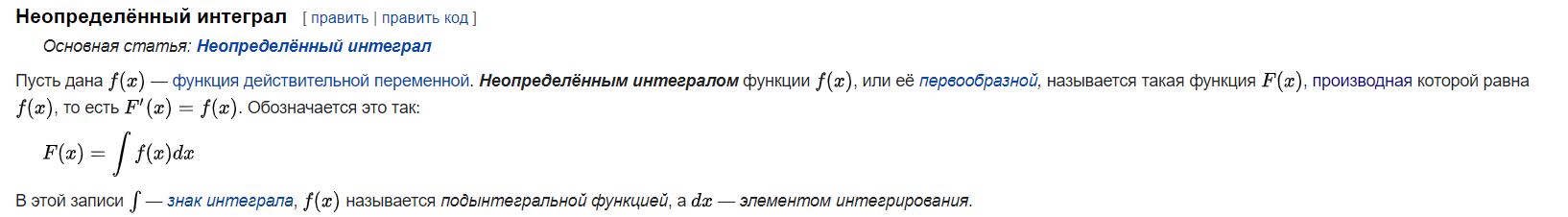


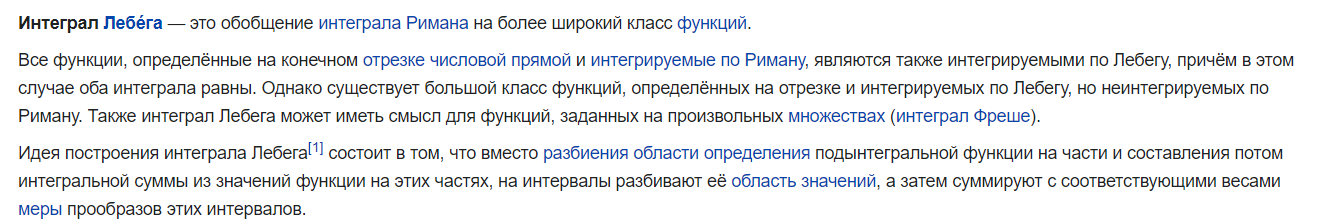
## Сумма ряда

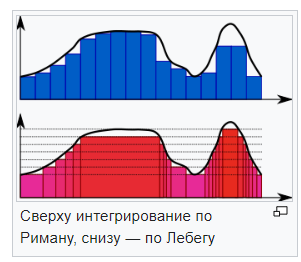


## Интеграл

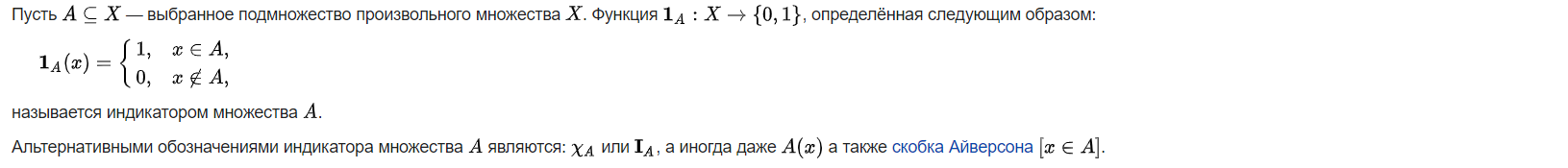




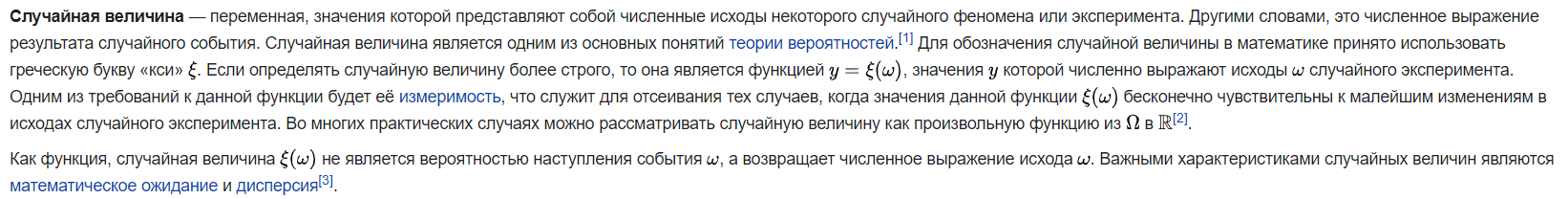


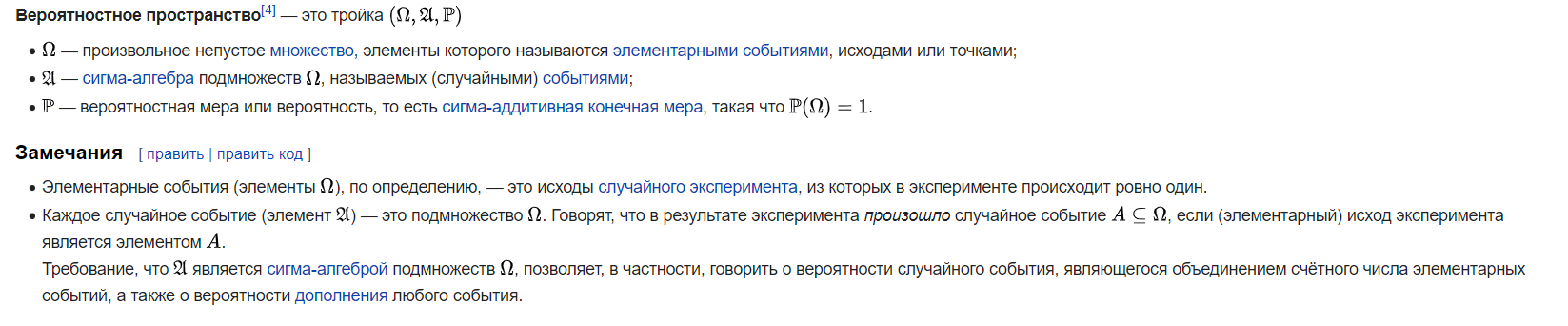


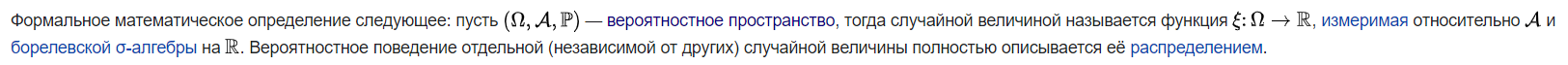
## Индикаторная функция

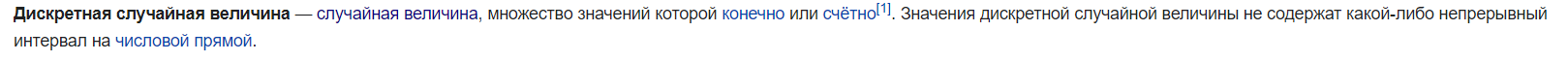


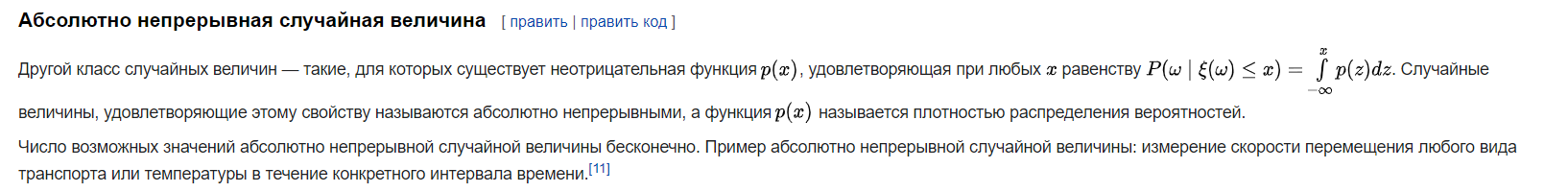
## Случайная величина



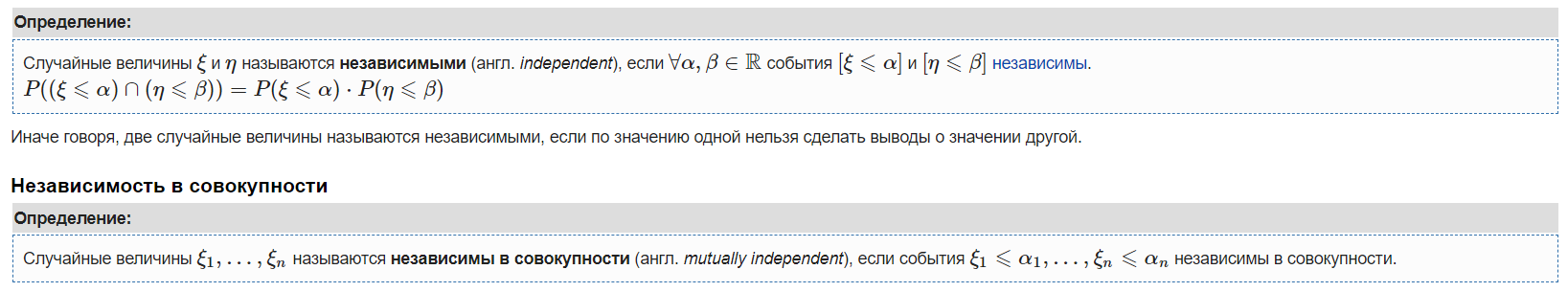


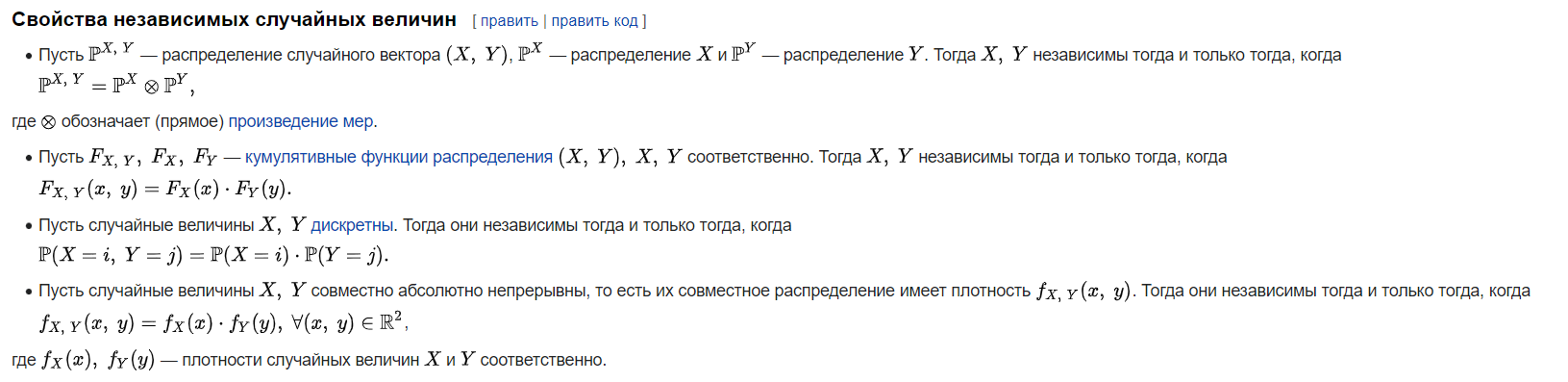




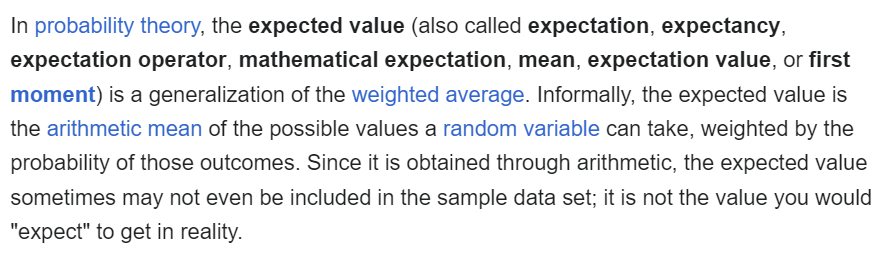


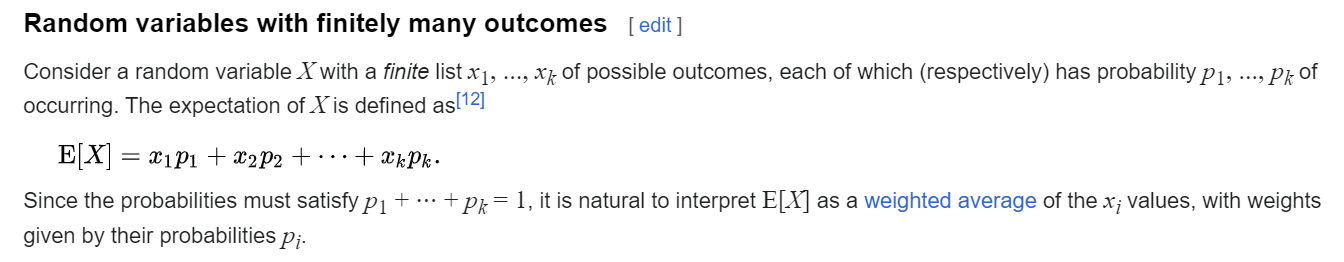
## Независимость случайных величин

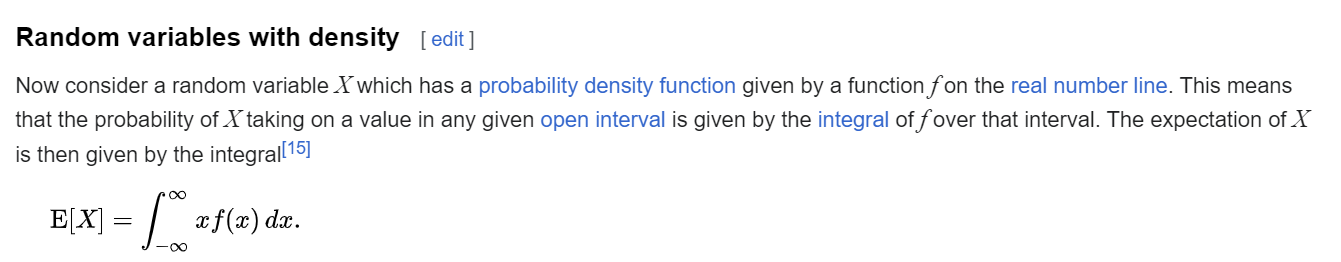


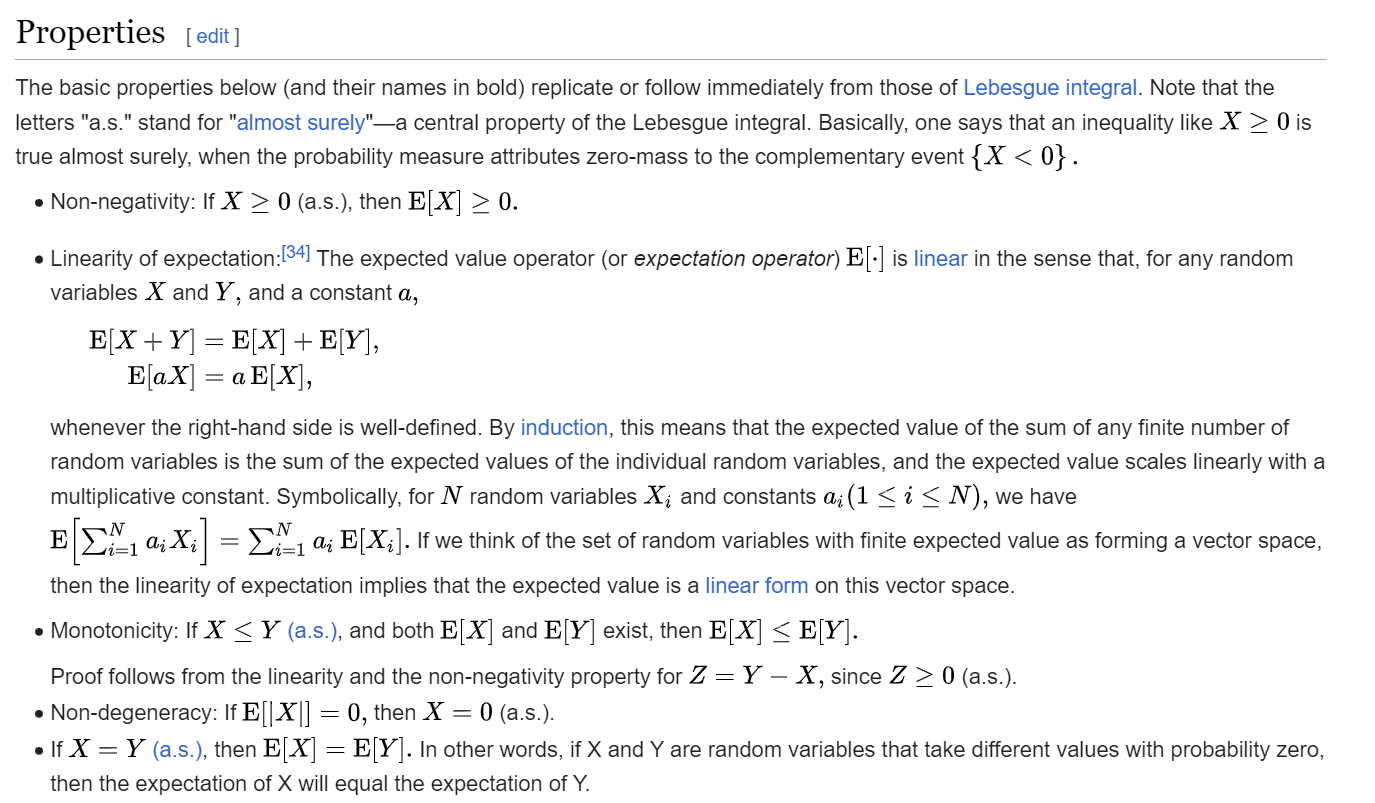


## Математическое ожидание

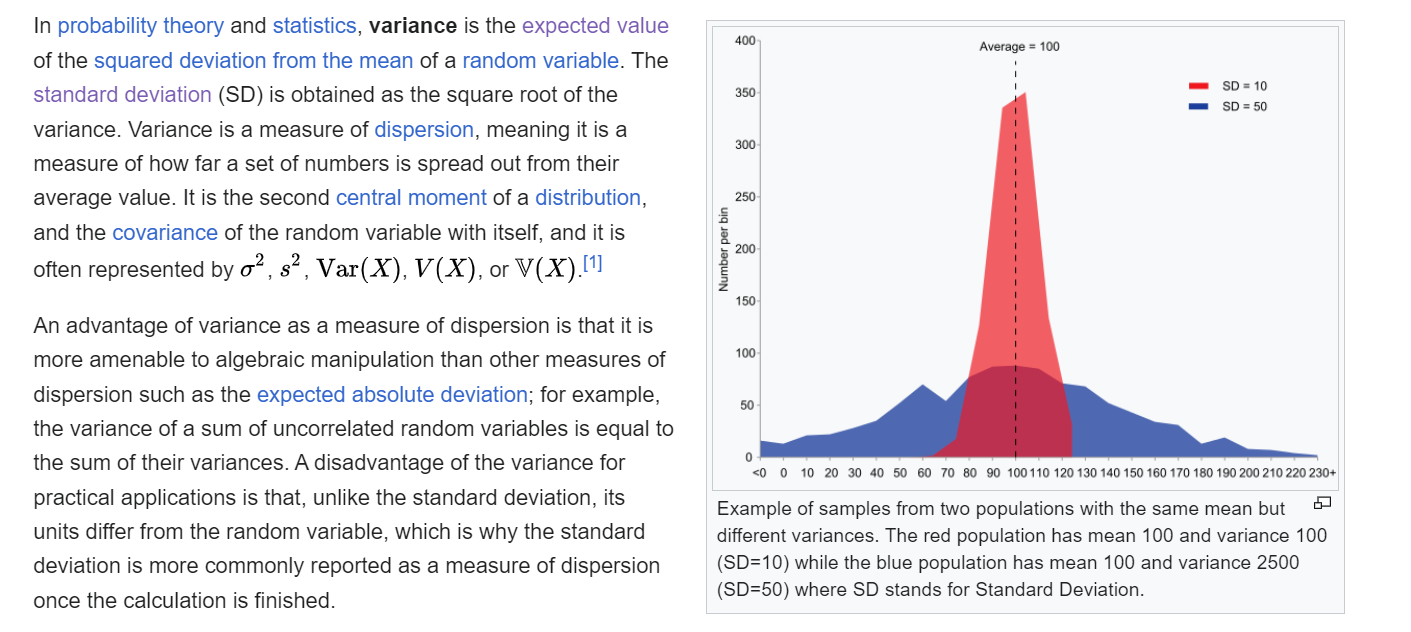




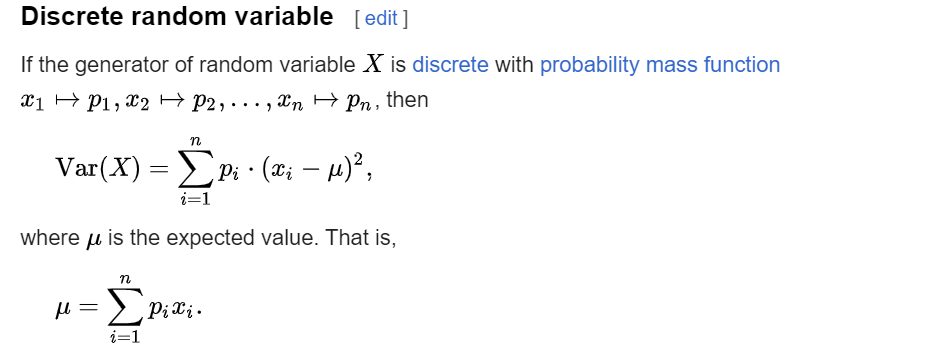


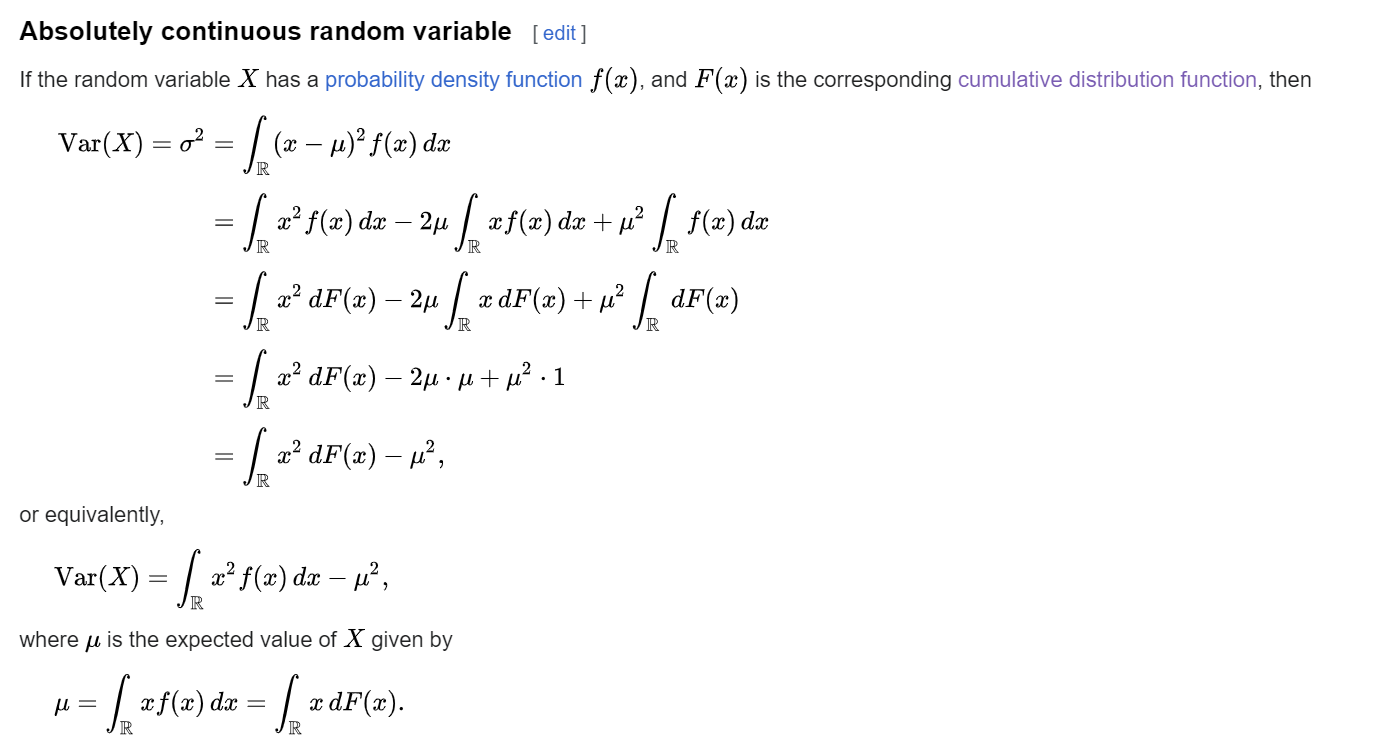


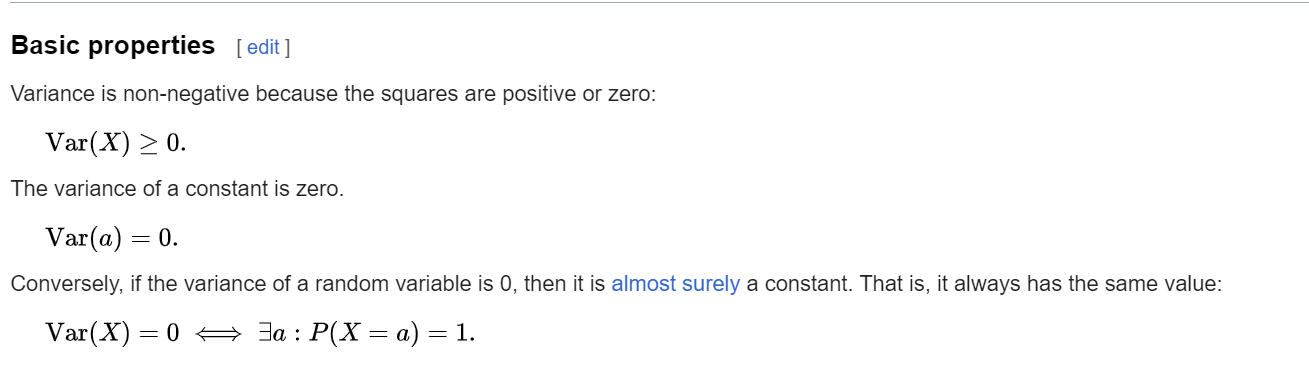
## Дисперсия

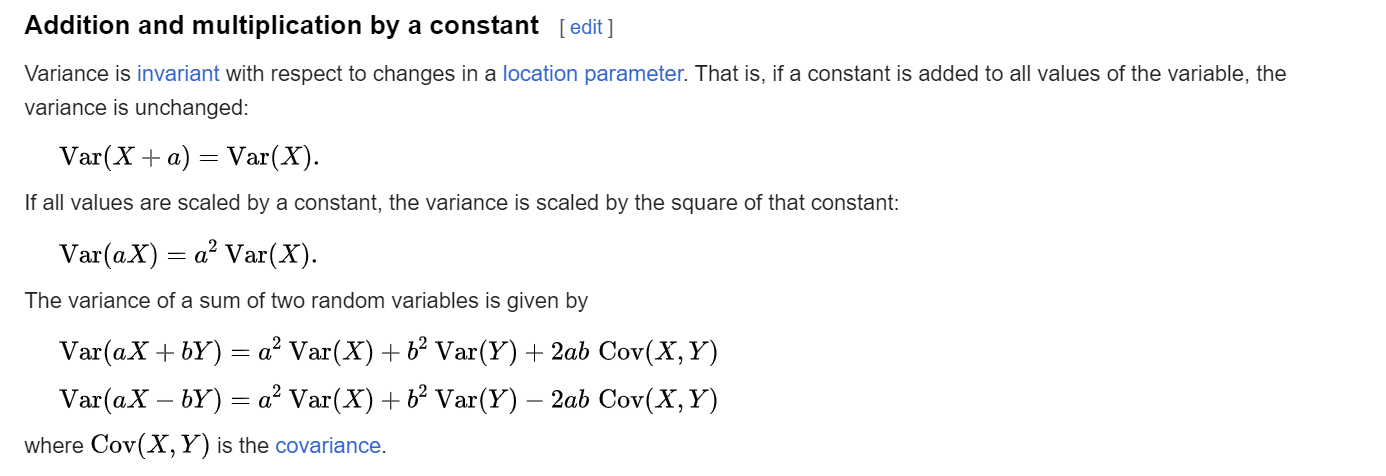




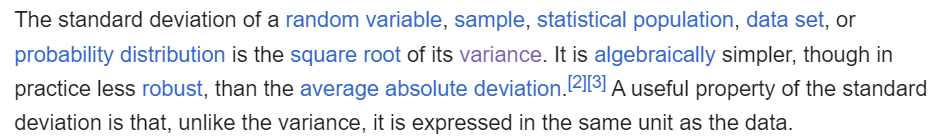


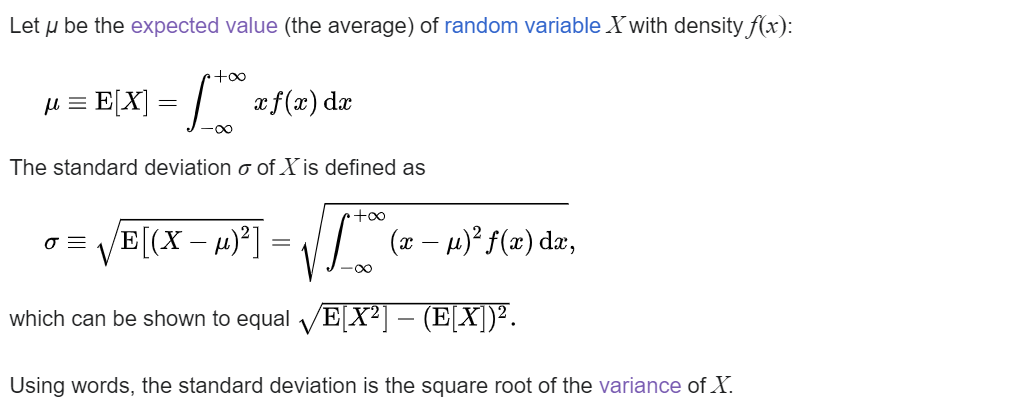




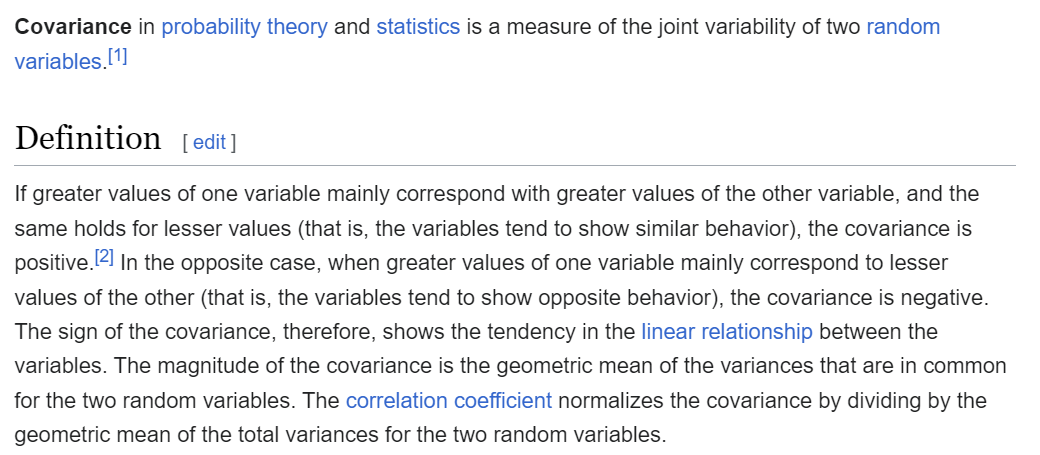


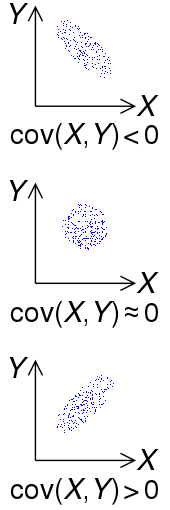
## Стандартное отклонение

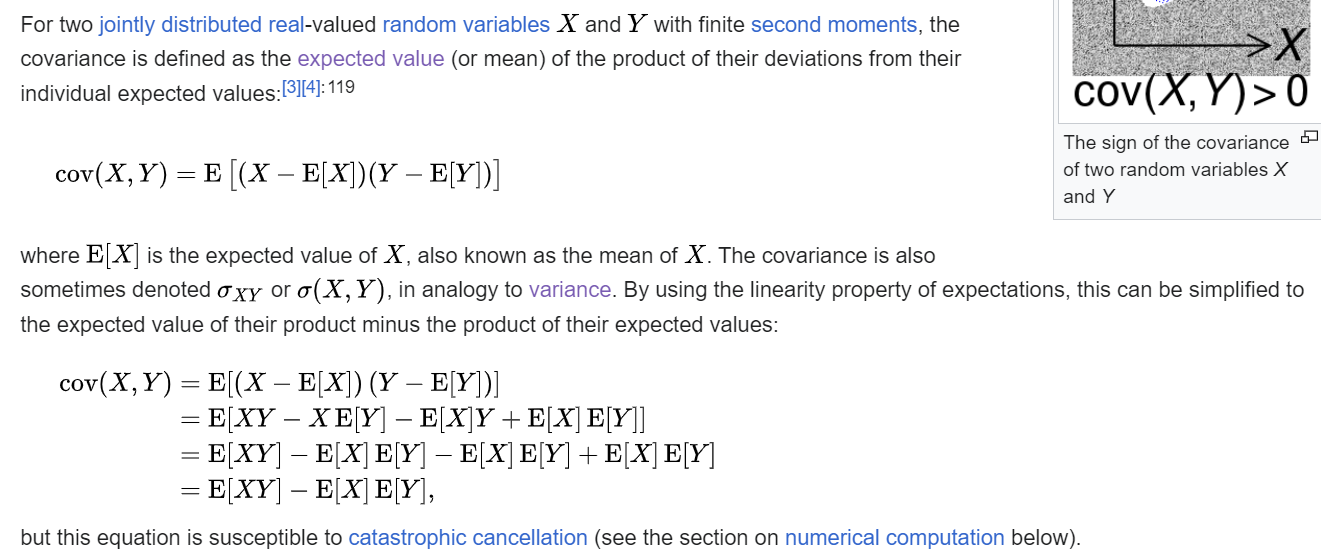




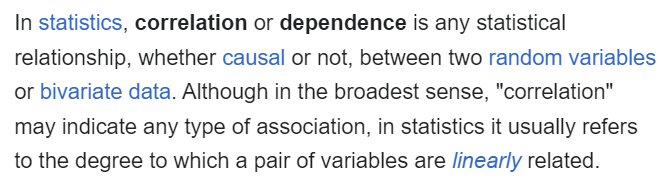
## Ковариация

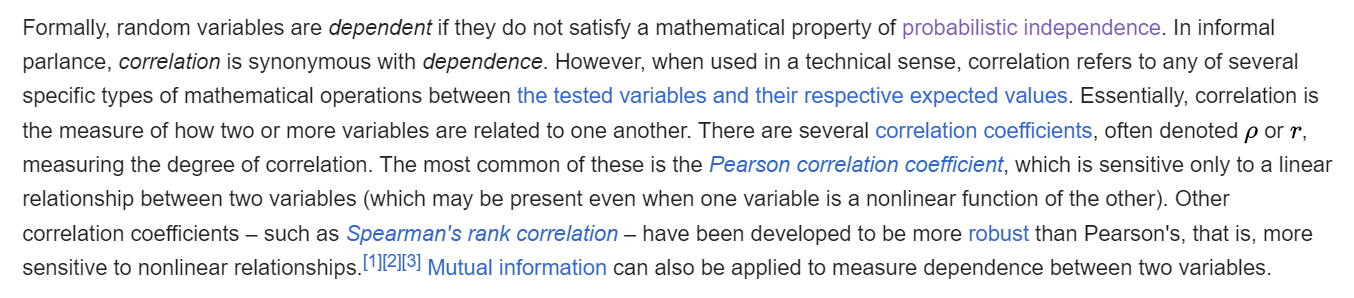


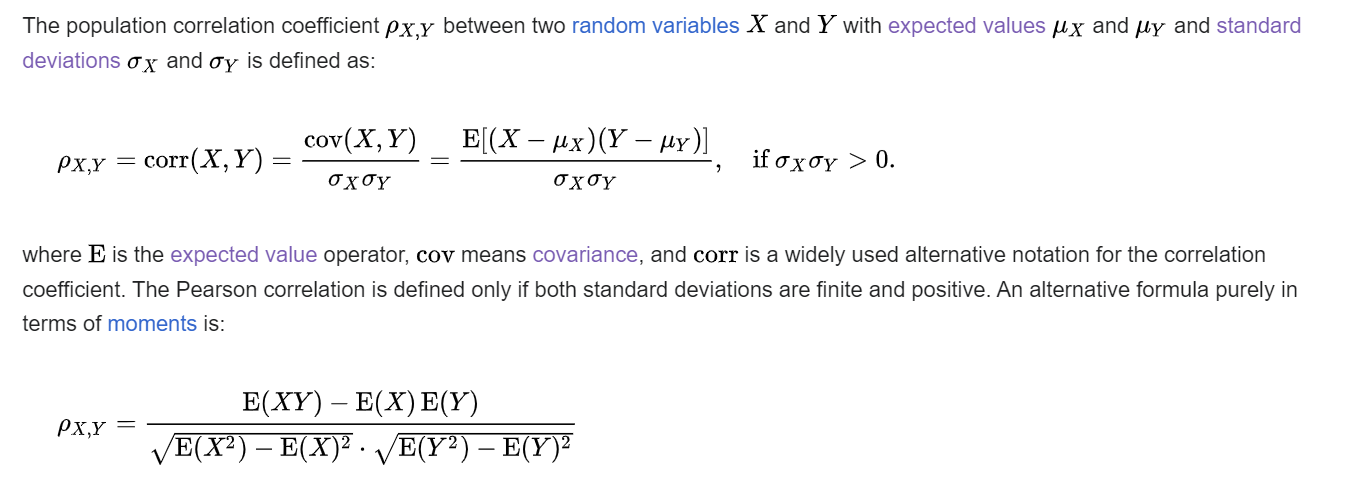




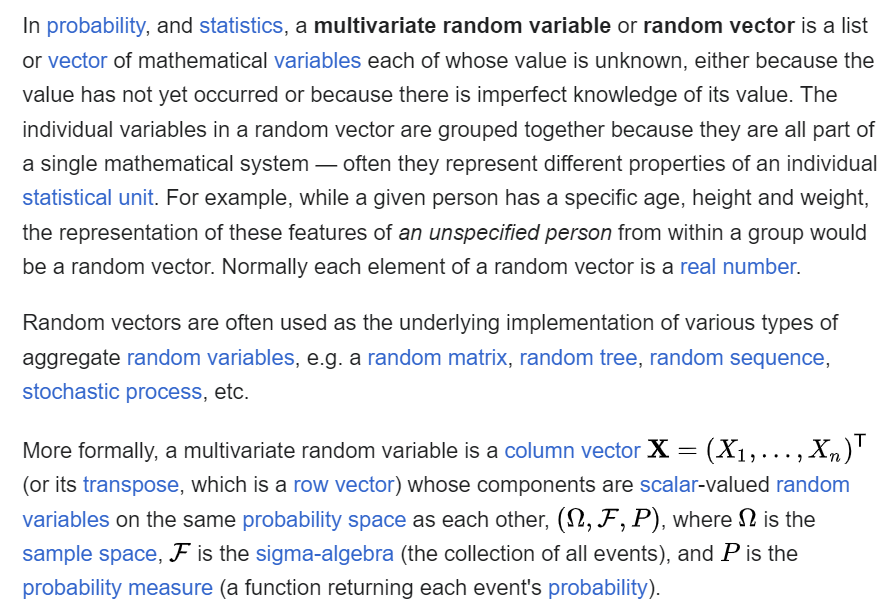
## Корреляция

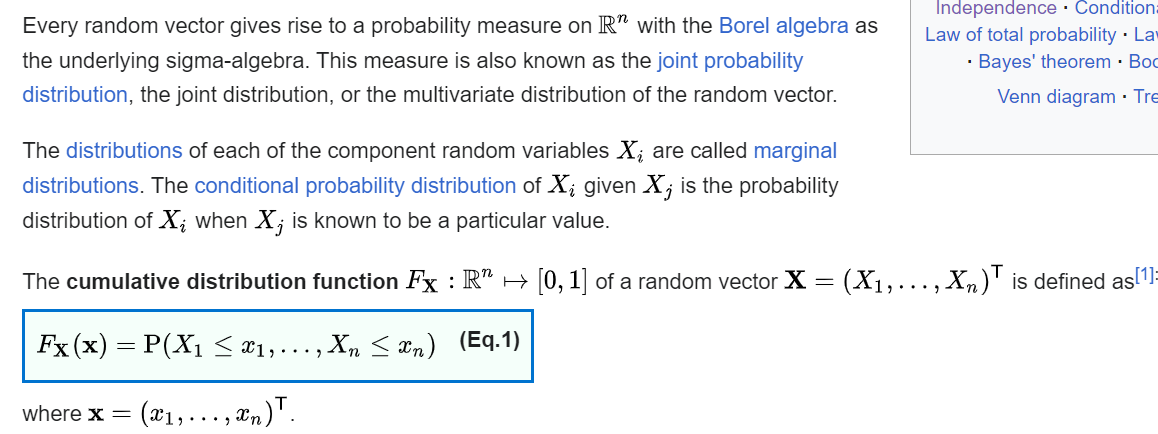


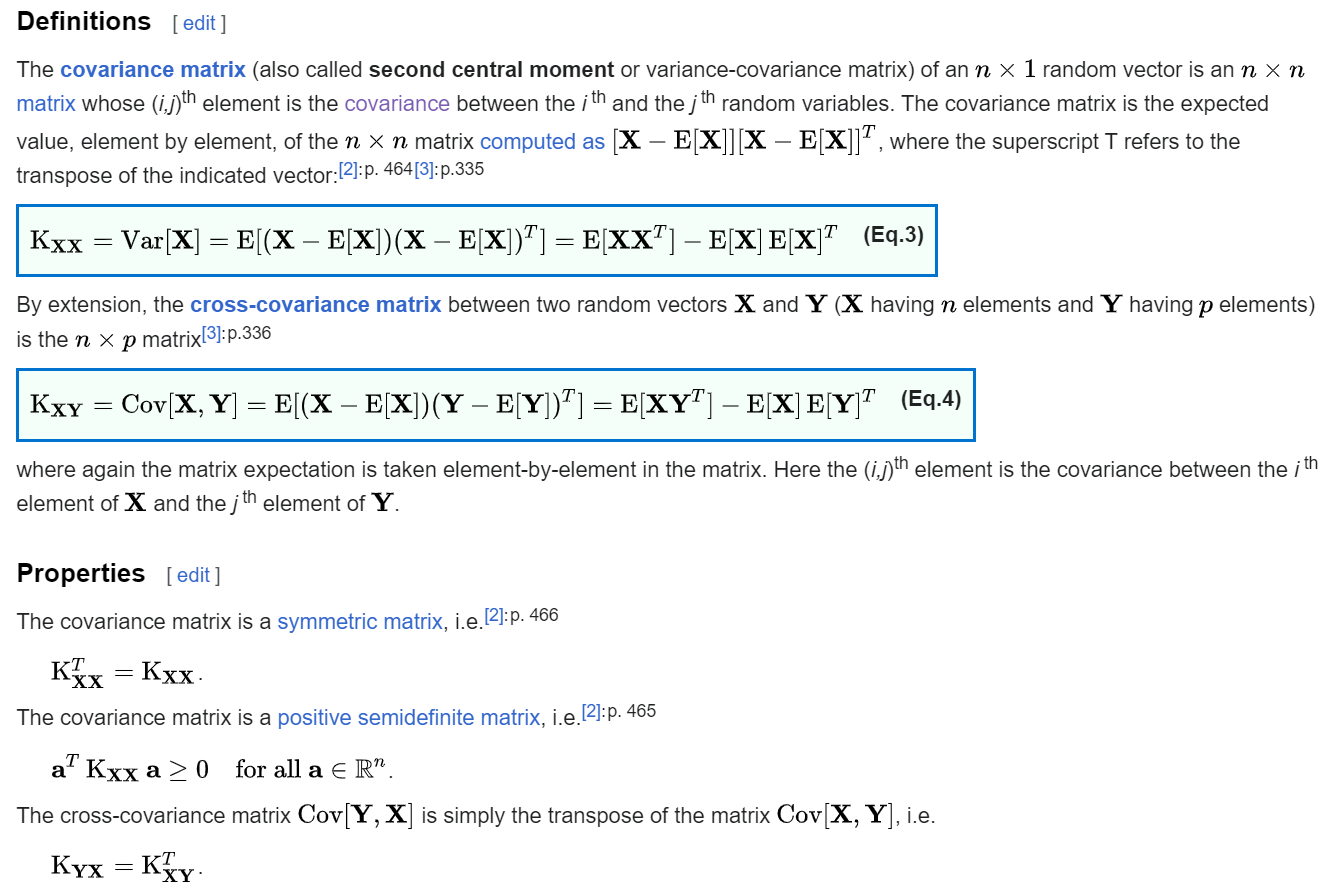




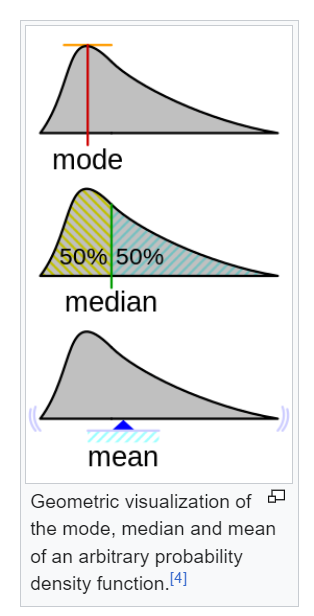
## Случайный вектор, ковариационная матрица

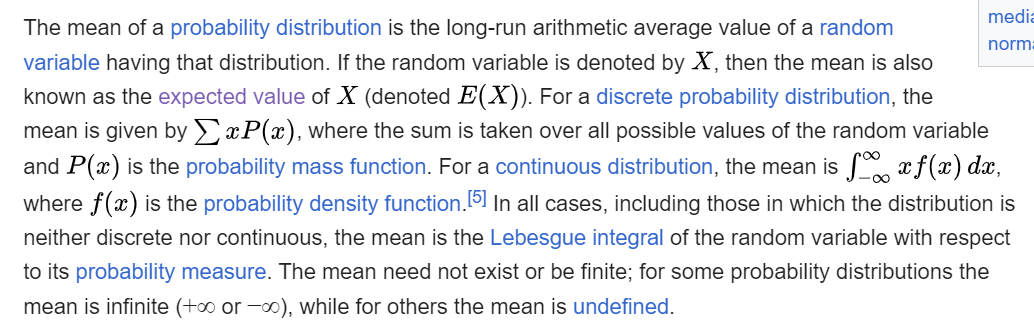


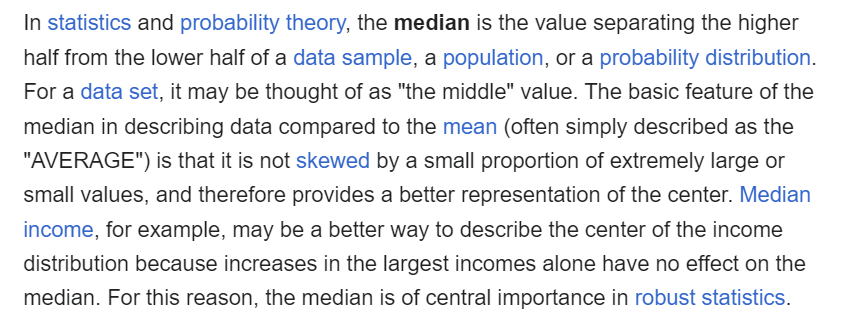


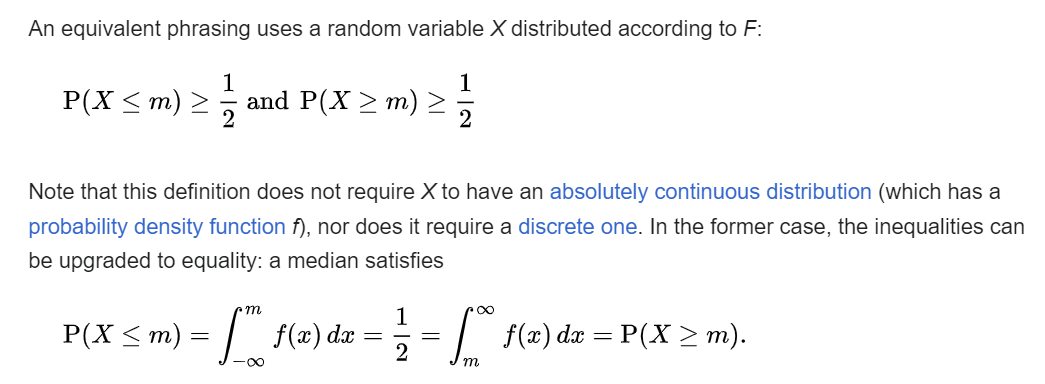


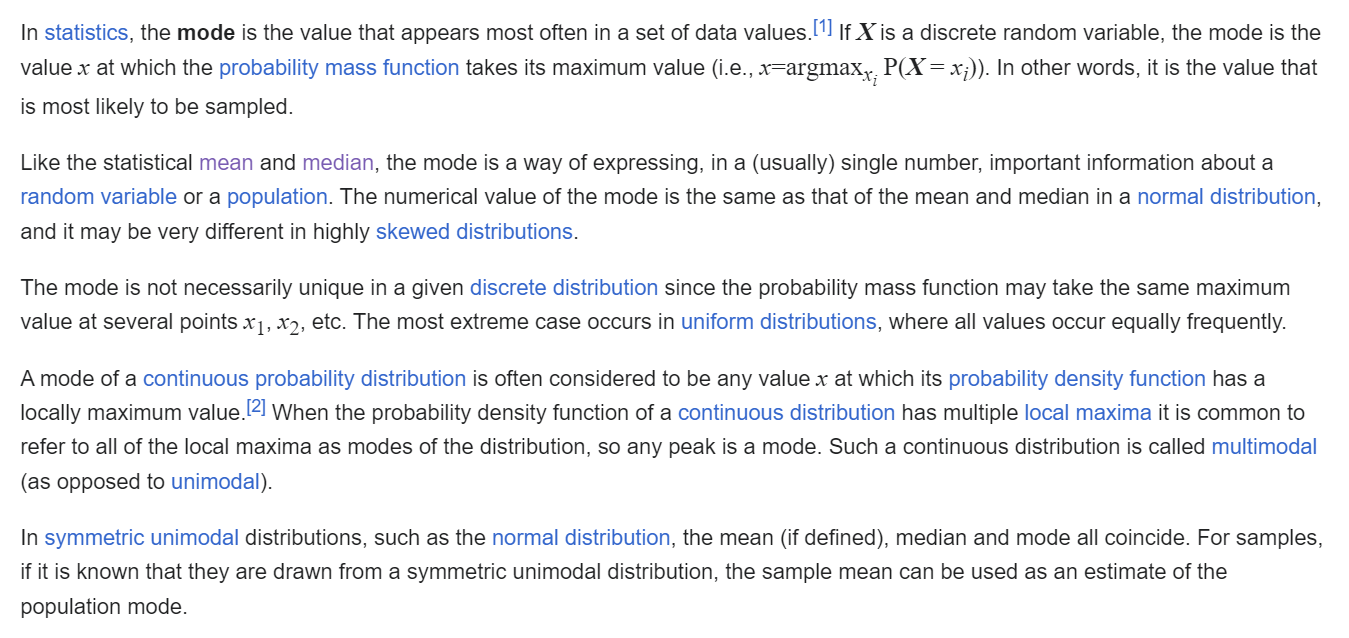
## Mean, median and mode



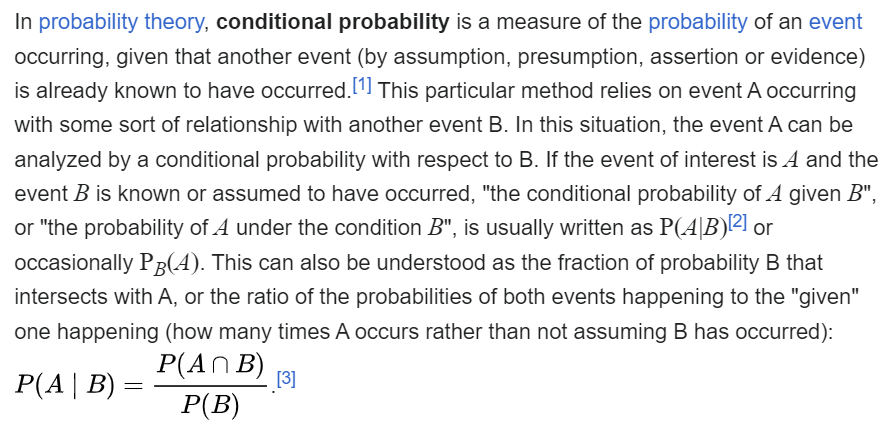


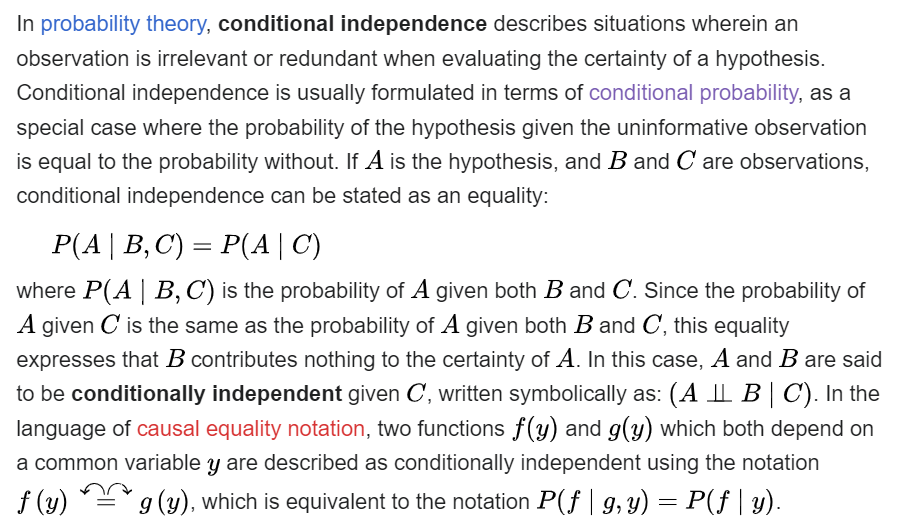




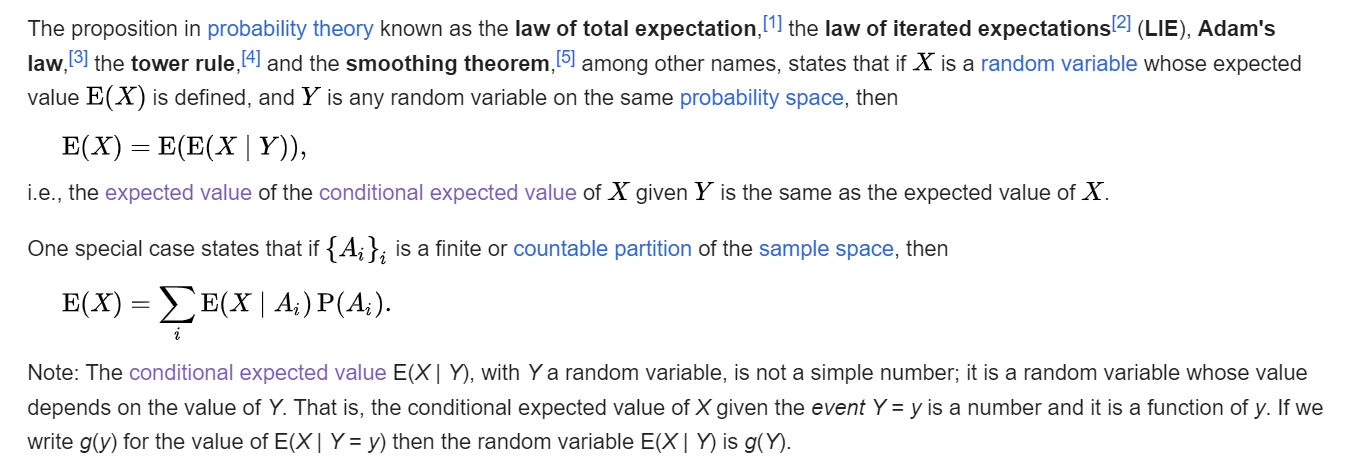


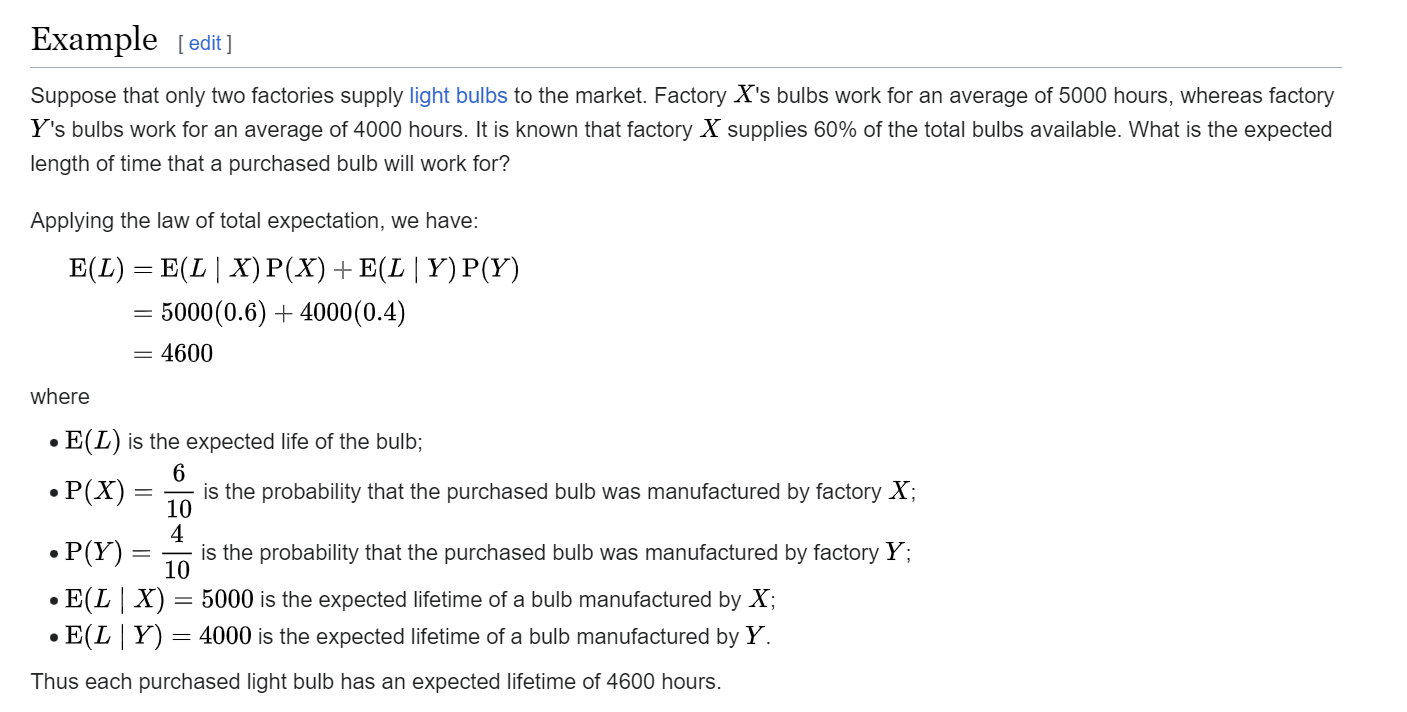
## Условная вероятность, условная независимость



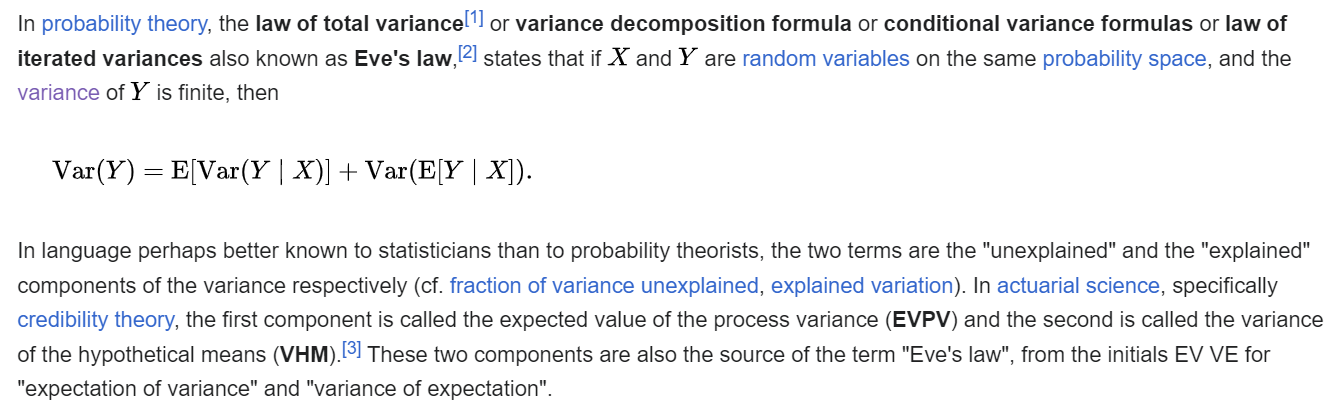


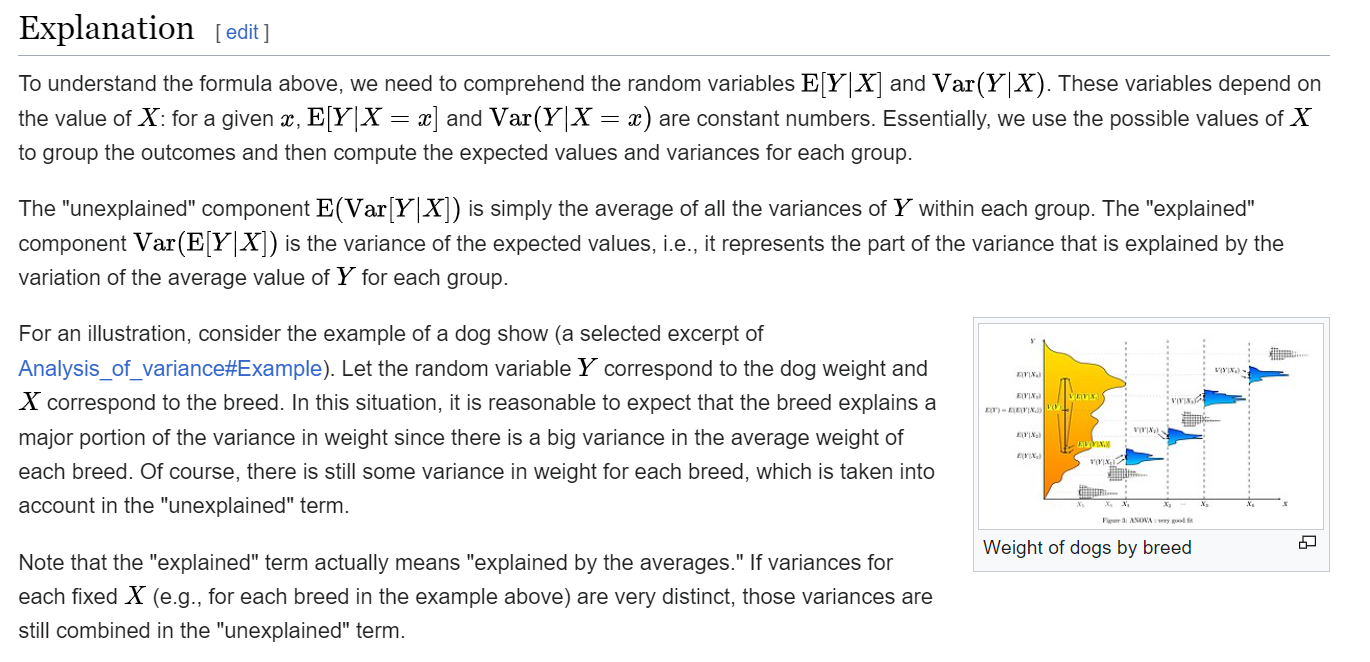
## Law of total expectation



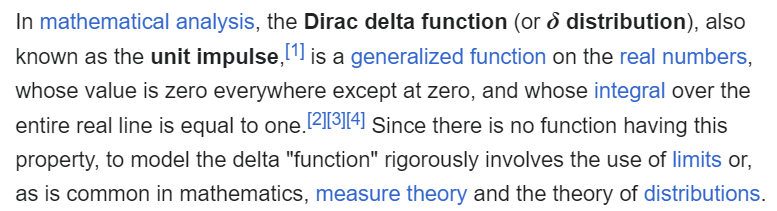


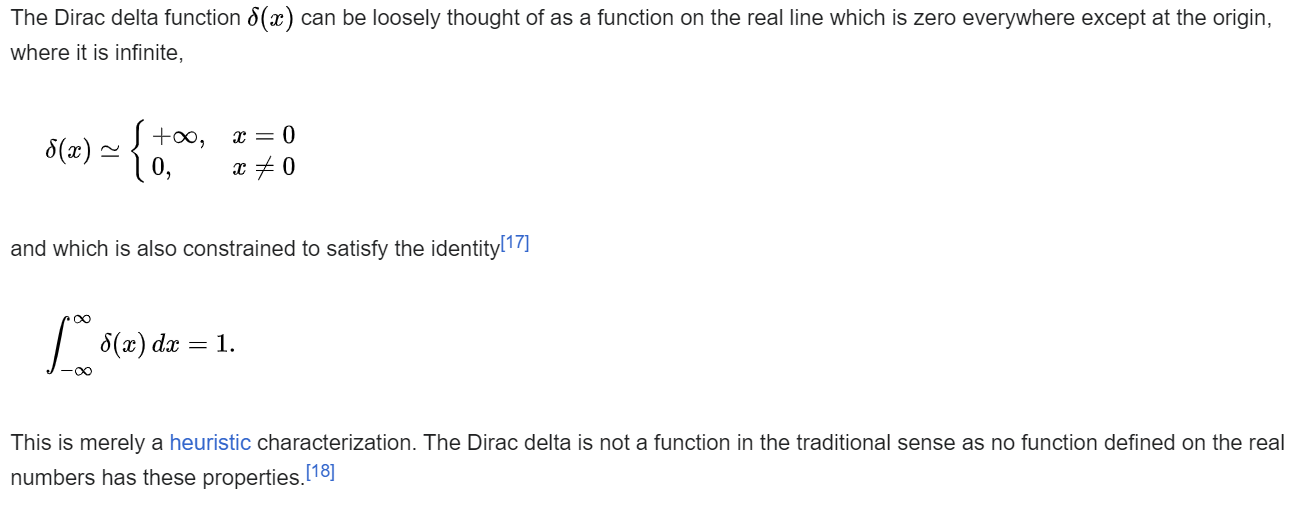
## Law of total variance



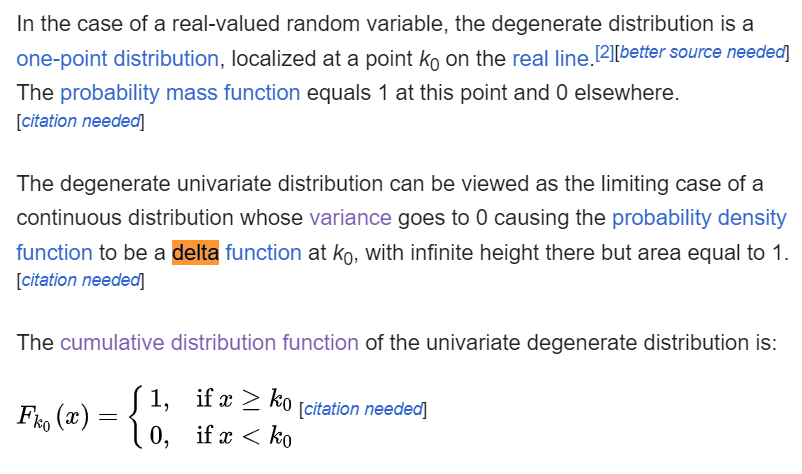


## Дельта функция

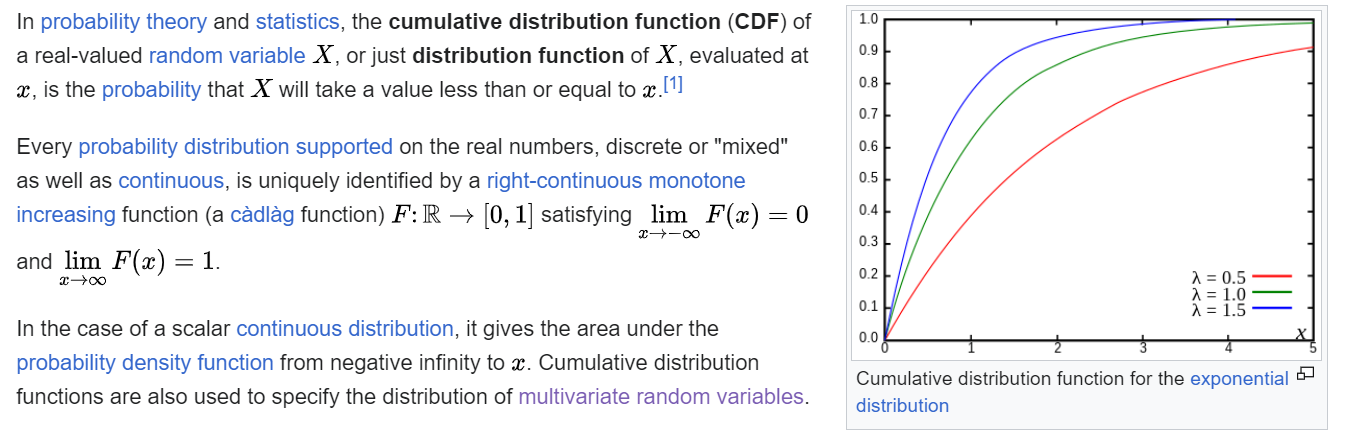


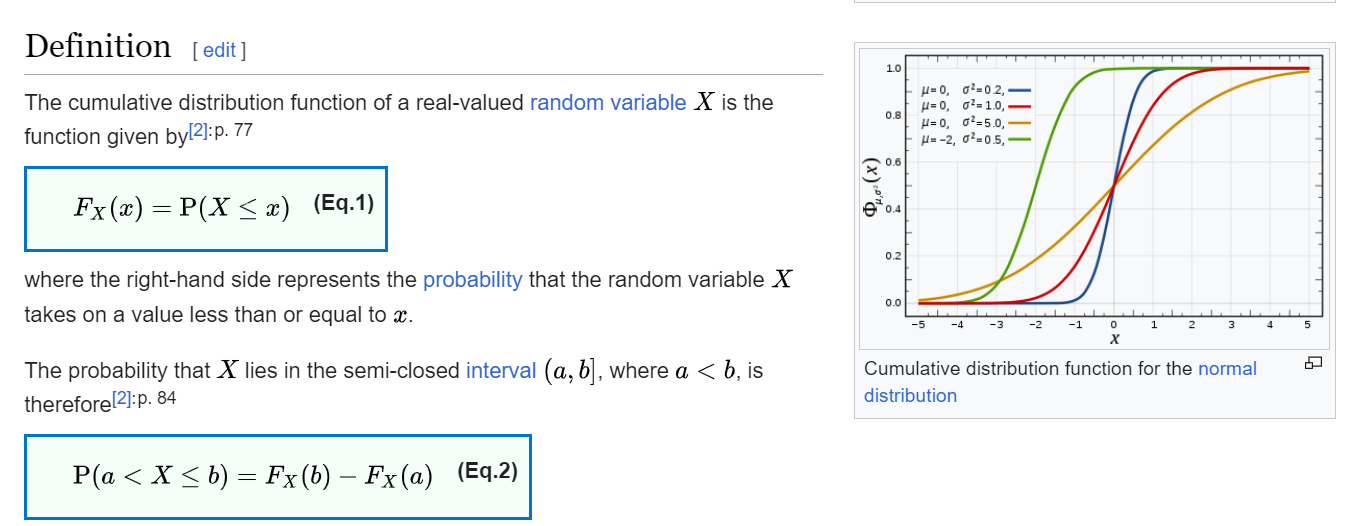


## Вырожденное распределение

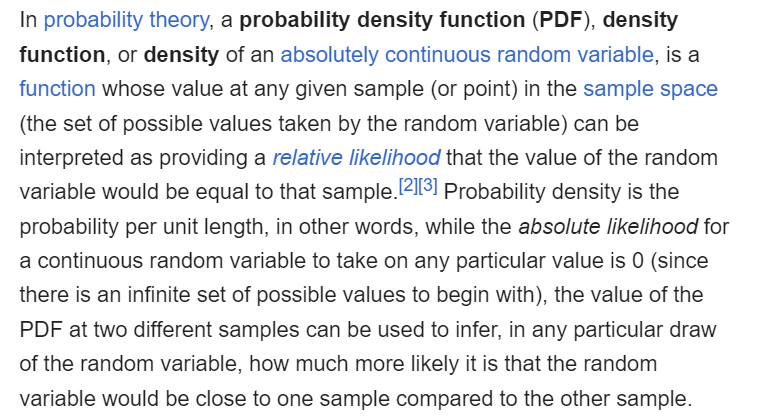


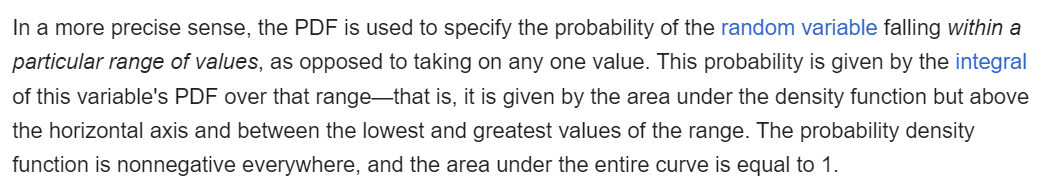
## CDF

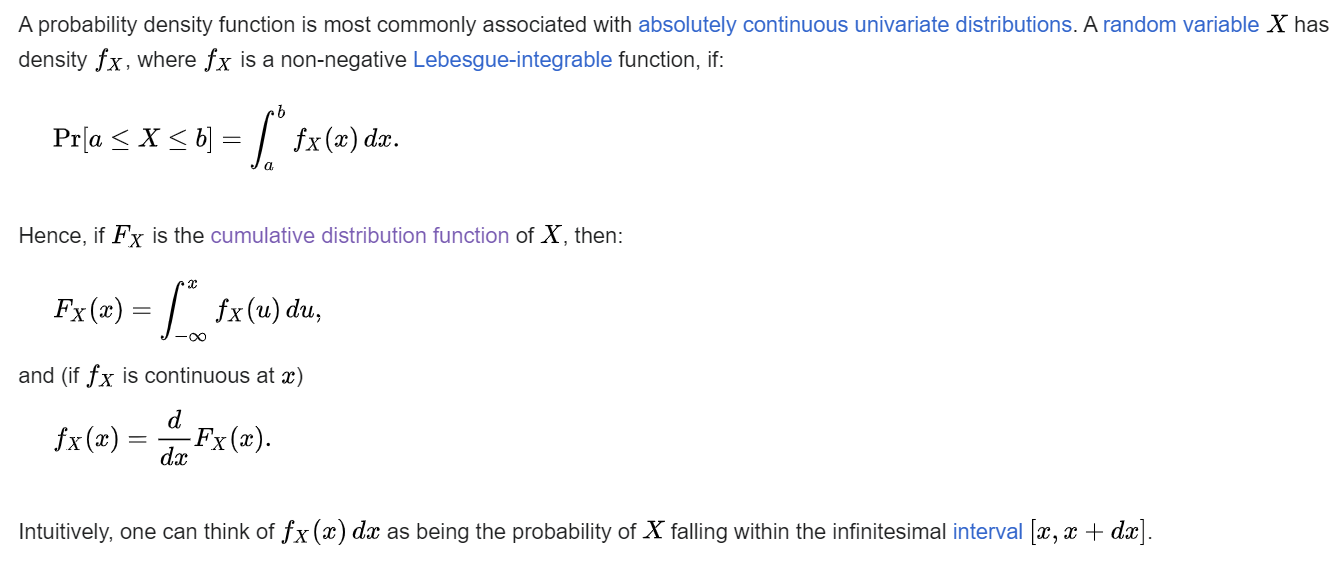




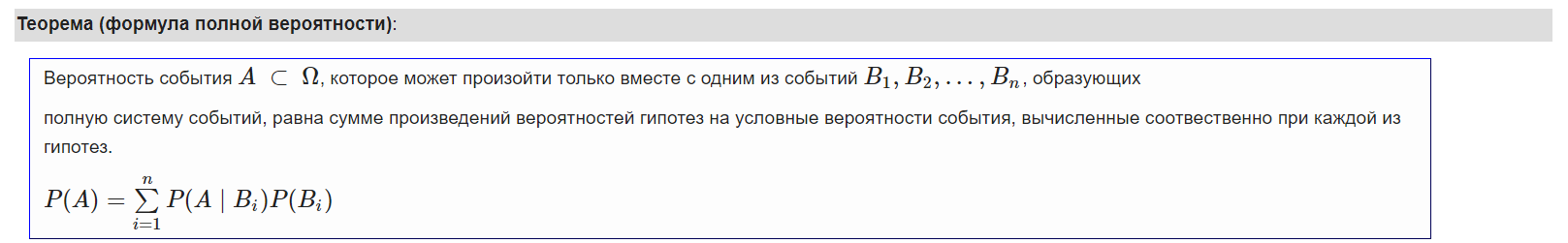
## PDF



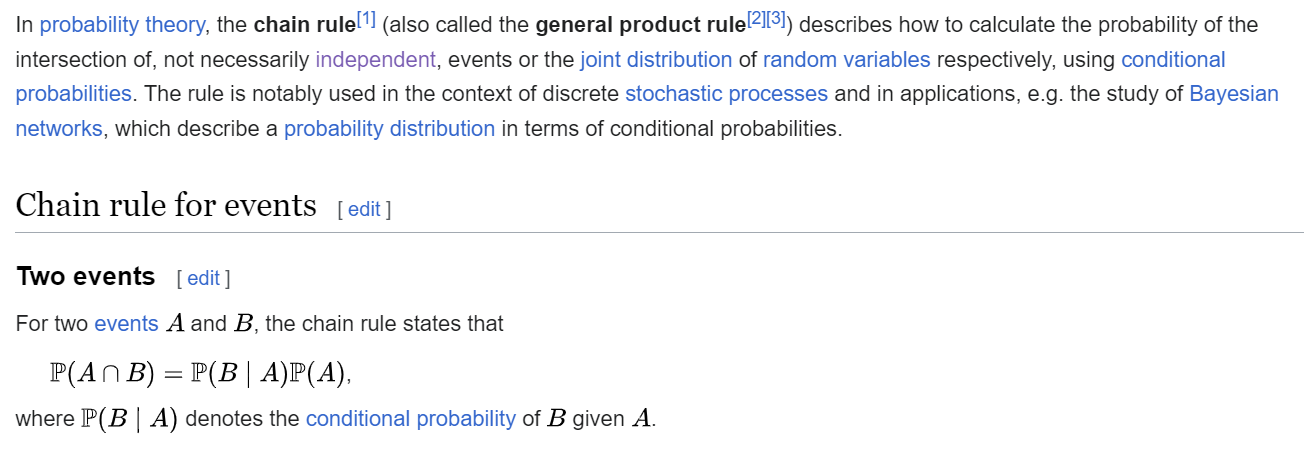




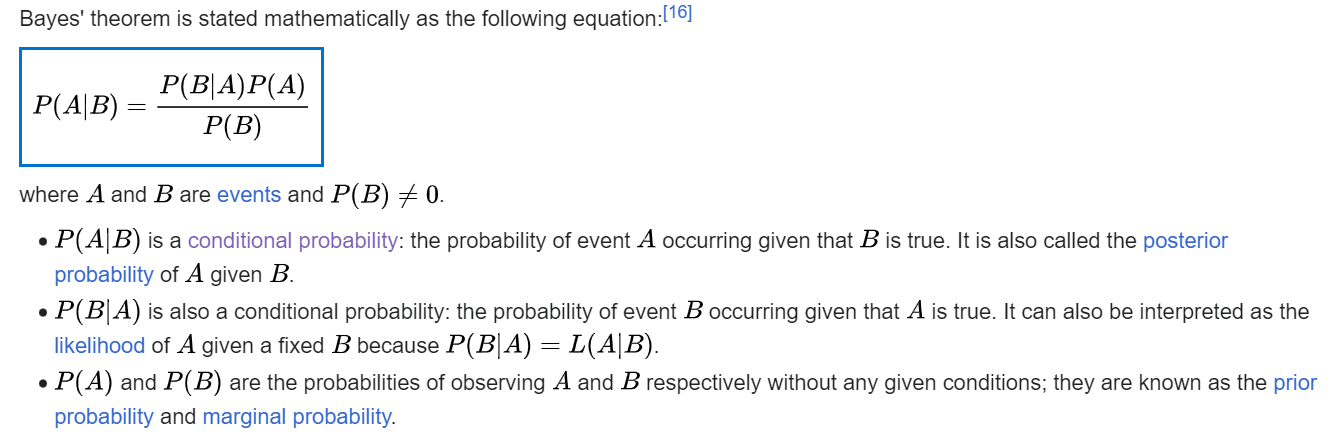
## Формула полной вероятности



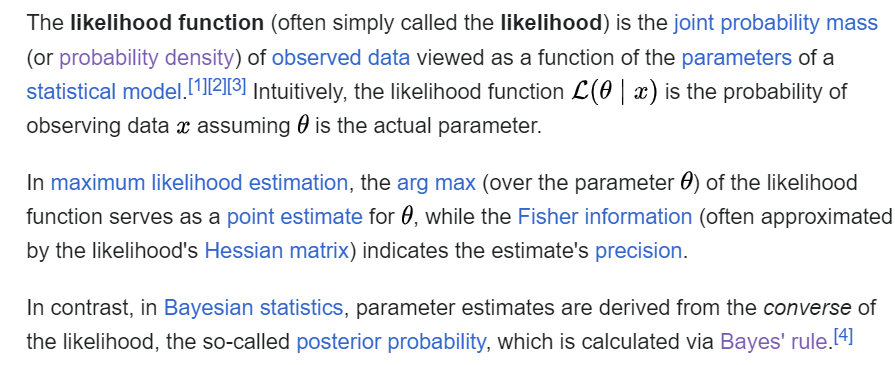
## Chain rule of probability



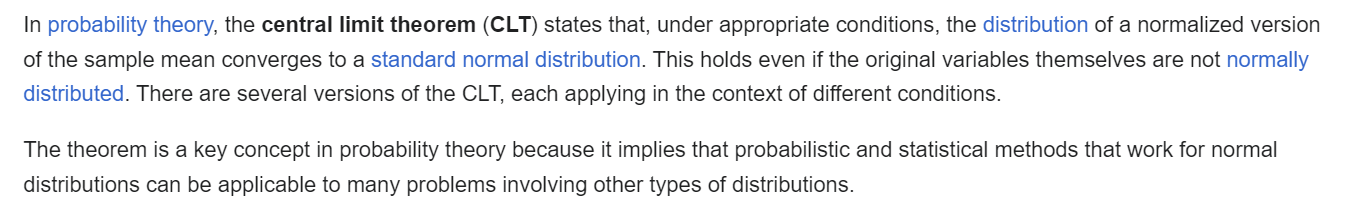
## Bayes’ theorem

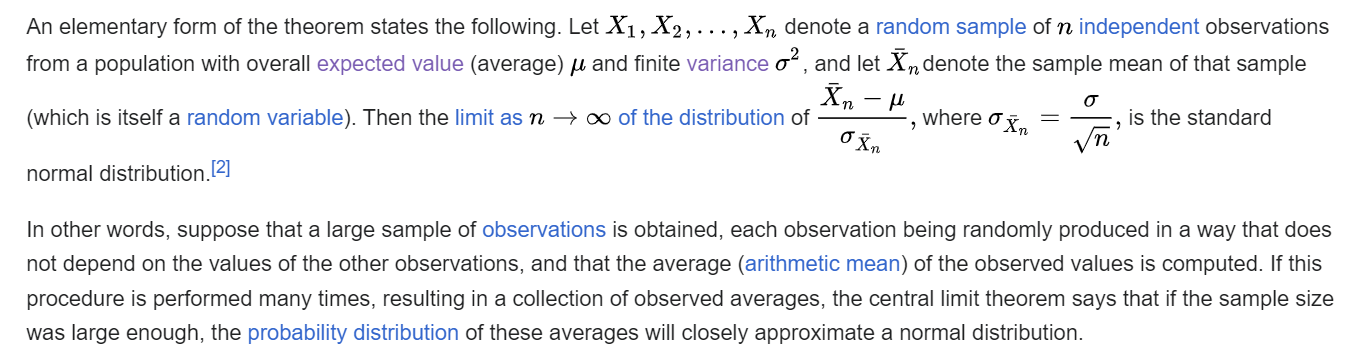


## Likelihood function

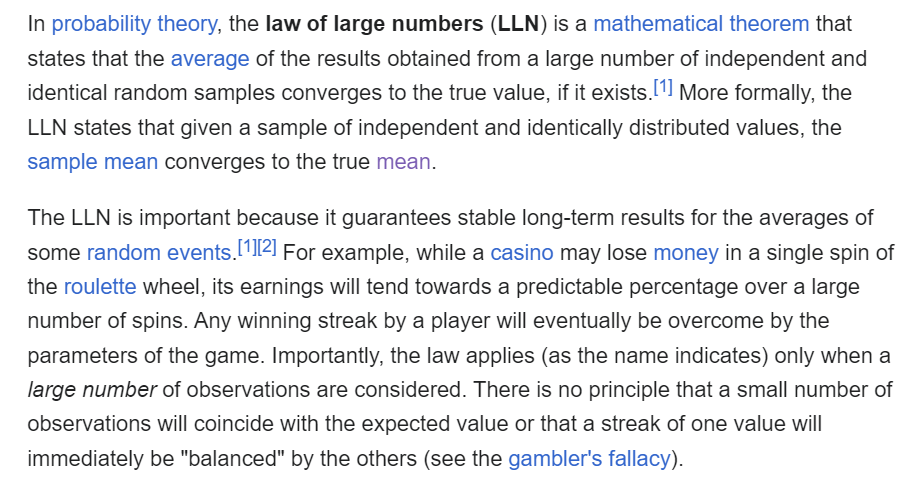


## Central limit theorem

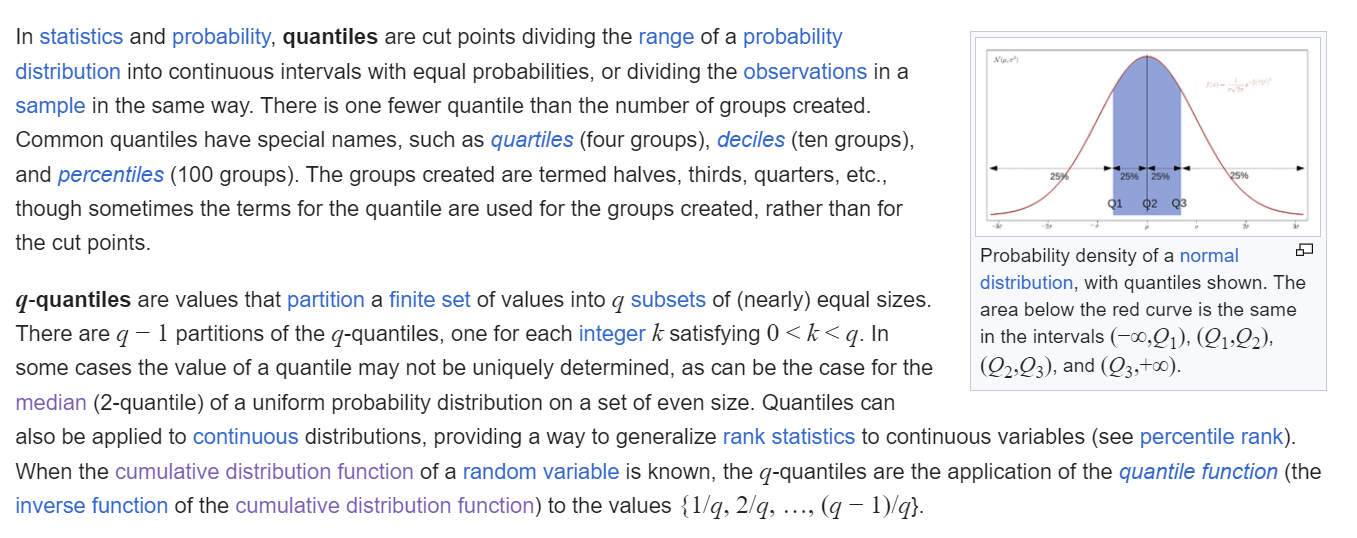




## Law of large numbers

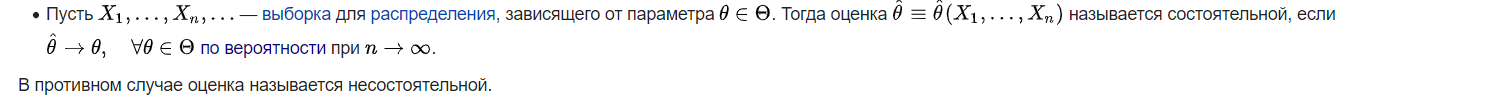


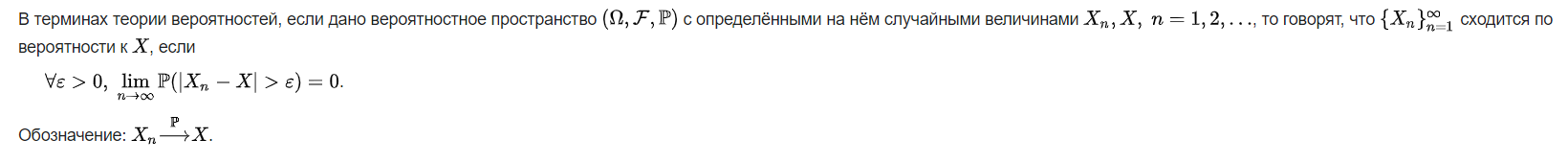
## Quantile



## Состоятельная оценка







## Несмещенная оценка

