

Practical task for Session 2. Text and Math

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Содержание

1	Multilingual input	1
2	Document layout	1
3	Formula from Wikipedia	1

1 Multilingual input

The structure of this document is in my mother tongue: **Russian** (insert your actual L1 (or C2) other than English).

These phrases are in other languages (each phrase is a new paragraph, there is a vertical space before the first example):

Français: L'entropie de Shannon, due à Claude Shannon, est une fonction mathématique qui, intuitivement, correspond à la quantité d'information contenue ou délivrée par une source d'information.

Deutsch: Entropie (nach dem Kunstwort $\epsilon\upsilon\tau\rho\omicron\pi\acute{\iota}\alpha$) ist in der Informationstheorie ein Maß, welches für eine Nachrichtenquelle den mittleren Informationsgehalt ausgegebener Nachrichten angibt. ¹

2 Document layout

This document ² has top margin of 3 cm, left - 3 cm, right 1.5 cm, bottom 2 cm.

3 Formula from Wikipedia

In information theory, the entropy of a random variable is the average level of “information”, “surprise”, or “uncertainty” inherent to the variable’s possible outcomes. Given a discrete random variable X , with possible outcomes x_1, \dots, x_n , which occur with probability $P(x_1), \dots, P(x_n)$, the entropy of X is formally defined as:

$$H(X) = - \sum_{i=1}^n P(x_i) \log P(x_i)$$

where Σ denotes the sum over the variable’s possible values.

¹this text is taken from multilingual Wikipedia: [https://en.wikipedia.org/wiki/Entropy_\(information_theory\)](https://en.wikipedia.org/wiki/Entropy_(information_theory))

²this is a just an exercise