

# Анализ настроений. Облако слов.

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# Цель

- Построить облако слов на основе корпуса текстов;
- Разработать алгоритм анализа настроения текста;

# Набор данных

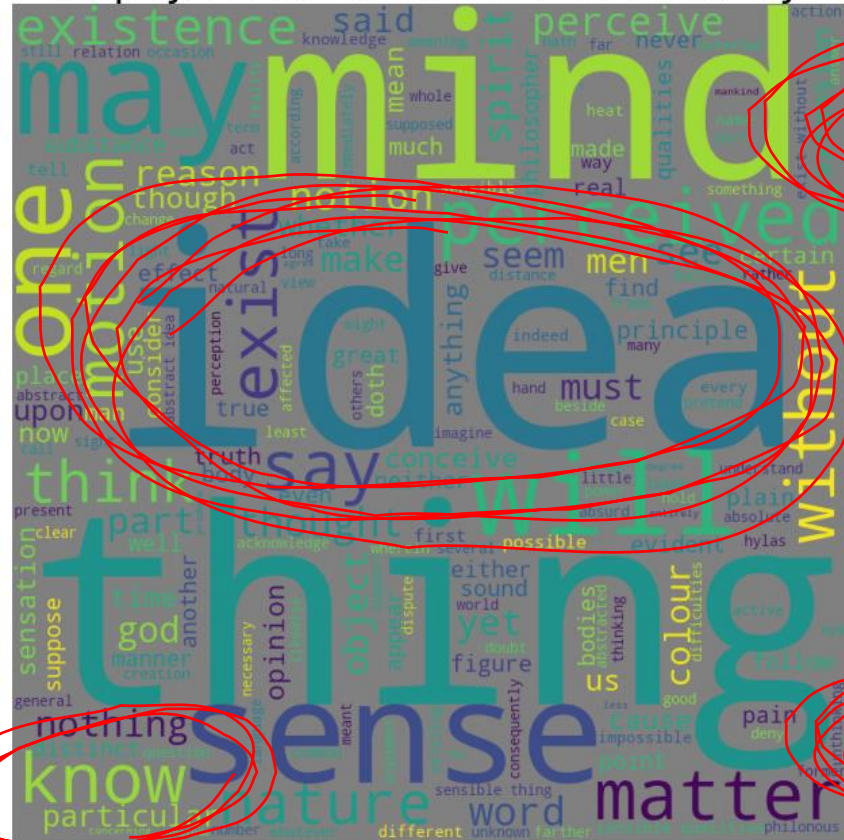
86204	Aristotle - Complete Works,Aristotle,aristotle,	You must also point out that many have before now been ruined through unjust misrepresentation.,You must also point out that many have before now been ruined through unjust misrepresentation.,95,you must also point out
86205	Aristotle - Complete Works,Aristotle,aristotle,	"You must show moreover that it is foolish that men, when they are consulting about matters of public interest, should allow themselves to be disturbed by the misrepresentations of individuals instead of listening to the advice
86206	Aristotle - Complete Works,Aristotle,aristotle,	You must also promise to prove that the advice which you have undertaken to give is just and expedient.,You must also promise to prove that the advice which you have undertaken to give is just and expedient.,103,you must als
86207	Aristotle - Complete Works,Aristotle,aristotle,	Such then is the method which those who have been misrepresented in the past must adopt in public speaking in order to refute misrepresentation.,Such then is the method which those who have been misrepresented in the p
86208	Aristotle - Complete Works,Aristotle,aristotle,	In reference to the present time the first thing which creates a prejudice against speakers is their age.,In reference to the present time the first thing which creates a prejudice against speakers is their age.,105,in reference to the
86209	Aristotle -	for they t for they t for they t for -PRON- think that the former ought not yet to have begin to speak , while the latter ought before now to have cease speak ."
86210	Aristotle -	or again, or again, or again, or again , against a man who have never speak before , for -PRON- look as if -PRON- have some motive of private gain in thus speak in public contrary to -PRON- usual custom ."
86211	Aristotle - Complete Works,Aristotle,aristotle,	"Such, then, are the ways in which prejudices in reference to the present are likely to be created against a public speaker.", "Such, then, are the ways in which prejudices in reference to the present are likely to be created against
86212	Aristotle -	for instan for instan for instan for instance , if the question concern the superintendence of the torch race or the gymnasium or arm or horse or war Fuhrmann obelize this clause ."
86213	Aristotle - Complete Works,Aristotle,aristotle,	in such matters a young man has no small interest.,in such matters a young man has no small interest.,50,in such matters a young man has no small interest., "[ 'in', 'such', 'matters', 'young', 'man', 'has', 'no', 'small', 'interest' ]", in su
86214	Aristotle - Complete Works,Aristotle,aristotle,	"He must also urge that, if he has not yet the wisdom of years, he has at any rate that wisdom which comes from natural endowments and diligent application.", "He must also urge that, if he has not yet the wisdom of years, he h
86215	Aristotle - Complete Works,Aristotle,aristotle,	"He should also point out that, whereas unsuccessful advice reflects only upon its unhappy proposer, the benefit conferred when the policy succeeds is shared by the whole community.", "He should also point out that, whereas
86216	Aristotle - Complete Works,Aristotle,aristotle,	Such then are the excuses which must be urged by a young man.,Such then are the excuses which must be urged by a young man.,61,such then are the excuses which must be urged by a young man., "[ 'such', 'then', 'are', 'the', 'exc
86217	Aristotle - Complete Works,Aristotle,aristotle,	Excuses must be made when an old man is speaking by pointing out the dearth of advisers and his experience of the subject.,Excuses must be made when an old man is speaking by pointing out the dearth of advisers and his exp
86218	Aristotle - Complete Works,Aristotle,aristotle,	Furthermore he may urge the magnitude and unusual character of the crisis and the like.,Furthermore he may urge the magnitude and unusual character of the crisis and the like.,87,furthermore he may urge the magnitude and u
86219	Aristotle - Complete Works,Aristotle,aristotle,	"When a man is in the habit of speaking too frequently, he may point to his wide experience and urge that it would be wrong that one who was formerly in the constant habit of speaking should not express his opinion on this oc
86220	Aristotle - Complete Works,Aristotle,aristotle,	One who is not in the habit of speaking must urge the magnitude of the crisis and that it is essential that every one who has a stake in the community should express his opinion on the present situation.,One who is not in the ha
86221	Aristotle - Complete Works,Aristotle,aristotle,	Such then are the means by which we shall attempt to break down the prejudices raised against the persons of public speakers.,Such then are the means by which we shall attempt to break down the prejudices raised against the
86222	Aristotle - Complete Works,Aristotle,aristotle,	Prejudice is created against the subject matter of a speech when the speaker advises the rupture of peaceful relations,Prejudice is created against the subject matter of a speech when the speaker advises the rupture of peacefu
86223	Aristotle - Complete Works,Aristotle,aristotle,	"wi those from whom we have received no injury or who are stronger than we, or when he advises a discreditable peace or urges a reduction of the expenditure on sacrifices or makes some other such proposal.", "wi those from
86224	Aristotle -	secondly, secondly, secondly, secondly , one ought to lay the blame upon necessity and fortune and the time and expediency , and say that -PRON- be not those who be give advice but the circumstance which be to be blame for such proposal ."
86225	Aristotle - Complete Works,Aristotle,aristotle,	Such are the methods by which we shall free advisers from prejudices which are due to their subject matter.,Such are the methods by which we shall free advisers from prejudices which are due to their subject matter.,107,such
86226	Aristotle - Complete Works,Aristotle,aristotle,	"The actual speech in a public harangue creates a prejudice when it is too lengthy or old fashioned, or lacks credibility.", "The actual speech in a public harangue creates a prejudice when it is too lengthy or old fashioned, or lacks
86227	Aristotle -	if it be ol if it is imp if it be ol if it is imp if it be ol if it is imp if -PRON- if -PRON- be implausible , -PRON- must promise that -PRON- will prove -PRON- to be true in the course of -PRON- oration ."
86228	Aristotle - Complete Works,Aristotle,aristotle,	These then are the considerations which will have a place in our public speeches.,These then are the considerations which will have a place in our public speeches.,81,these then are the considerations which will have a place in
86229	Aristotle - Complete Works,Aristotle,aristotle,	"Next, what arrangement shall we employ?", "Next, what arrangement shall we employ?",39,"next, what arrangement shall we employ?", "[ 'next', 'what', 'arrangement', 'shall', 'we', 'employ' ]", " next , what arrangement shall -PR
86230	Aristotle - Complete Works,Aristotle,aristotle,	"If there be no prejudice against either ourselves personally or our speech or our subject, we shall lay down our proposition at the very beginning, and we shall afterwards exhort our hearers to pay attention and give our words a
86231	Aristotle - Complete Works,Aristotle,aristotle,	If any prejudice has been Reading symbouleue Iyein.,If any prejudice has been Reading symbouleue Iyein.,51,if any prejudice has been reading symbouleue Iyein., "[ 'if', 'any', 'prejudice', 'has', 'been', 'reading', 'symbouleue', 'Iye
86232	Aristotle - Complete Works,Aristotle,aristotle,	"created against us in previous speeches, we shall anticipate the judgement of our audience and, after briefly defending and excusing ourselves from the prejudices thus caused, shall then state our proposition and exhort our h
86233	Aristotle - Complete Works,Aristotle,aristotle,	"This, then, is the way in which public speeches should be constituted.", "This, then, is the way in which public speeches should be constituted.",70,"this, then, is the way in which public speeches should be constituted.", "[ 'this',
86234	Aristotle - Complete Works,Aristotle,aristotle,	"Next we must either narrate events which have happened in the past or recall them to the minds of our hearers, or explain events which are occurring at the moment or else predict what is likely to occur in the future.", "Next w
86235	Aristotle -	next, if w whereas, next, if w whereas, next, if w whereas, next , if -PRON- have meet with success , -PRON- must be make to suppose that the result have be due not to chance but to -PRON- zealous effort ."
86236	Aristotle - Complete Works,Aristotle,aristotle,	"This they are ready to believe, if, not having been present at the negotiations, they observe the zeal displayed in our speech in omitting nothing but accurately reporting every detail.", "This they are ready to believe, if, not havi
86237	Aristotle - Complete Works,Aristotle,aristotle,	"So, when we are describing the results of an embassy, we must for the reasons which I have stated report everything just as it happened.", "So, when we are describing the results of an embassy, we must for the reasons which I
86238	Aristotle - Complete Works,Aristotle,aristotle,	"When we are ourselves describing in a public speech some past event or explaining the events of the moment or predicting what will happen in the future, we must do each of these things briefly, clearly, and convincingly.", "W
86239	Aristotle -	and we m and we m and we m and -PRON- must speak convincingly , in order that -PRON- may not reject -PRON- statement before -PRON- have support -PRON- with proof and justification ."
86240	Aristotle -	to the fac to the fac to the fac to the fact if -PRON- do not present -PRON- in an inverted order . but mention first those which have occur or be occur or be go to occur first . and arrange the subsequent event in -PRON- proper order . and do not desert the subject

- Корпус — подобранная и обработанная по определённым правилам совокупность текстов, используемых в качестве базы для исследования языка.

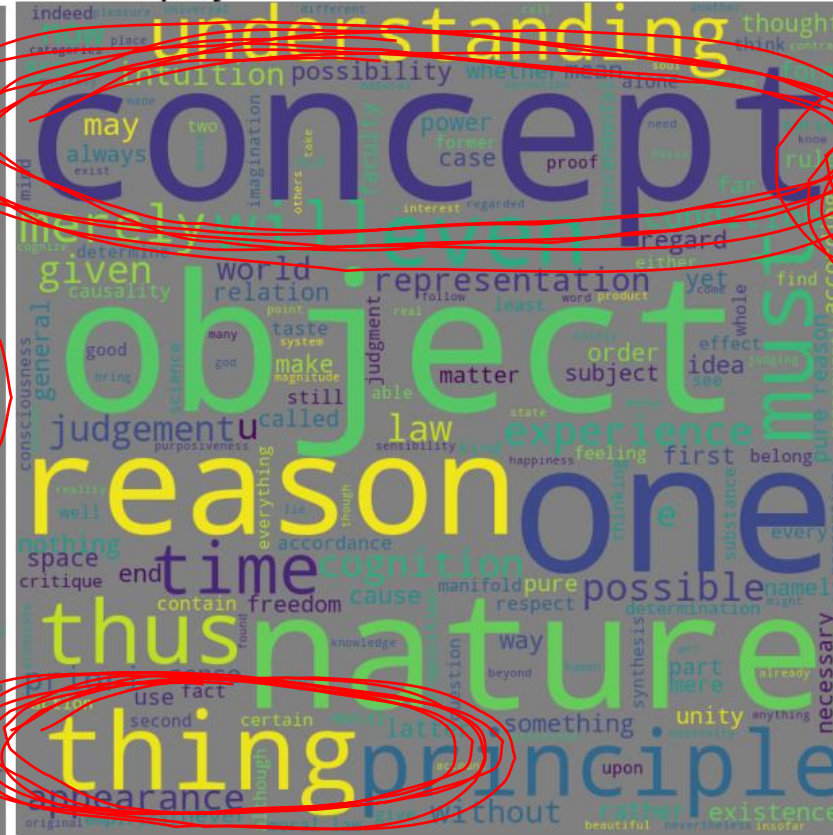


# Примеры облака слов

Корпус текста: из текста Berkeley



Корпус текста: из текста Kant



Корпус текста: из текста Leibniz

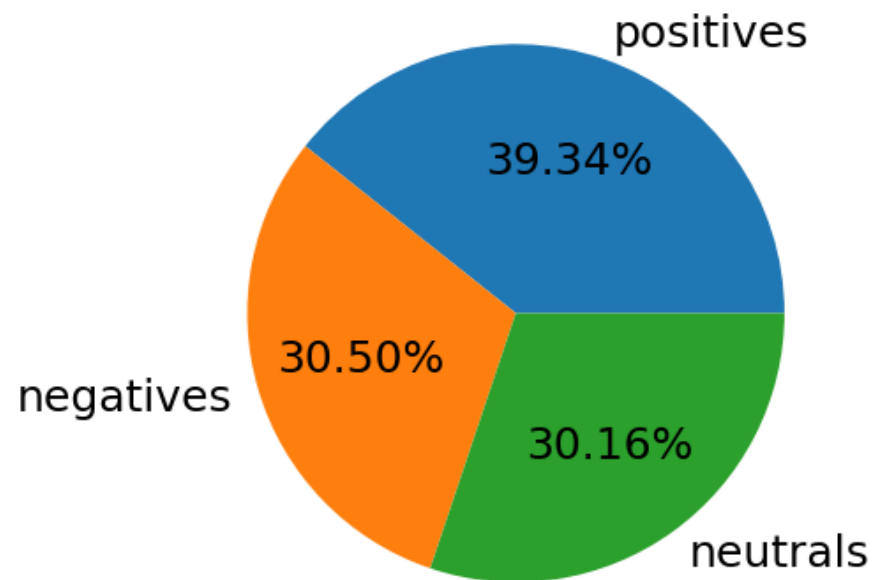


- Анализ настроений — это классическая задача машинного обучения, позволяющая идентифицировать, извлекать и количественно оценивать текстовые данные для облегчения классификации и работы с ними.

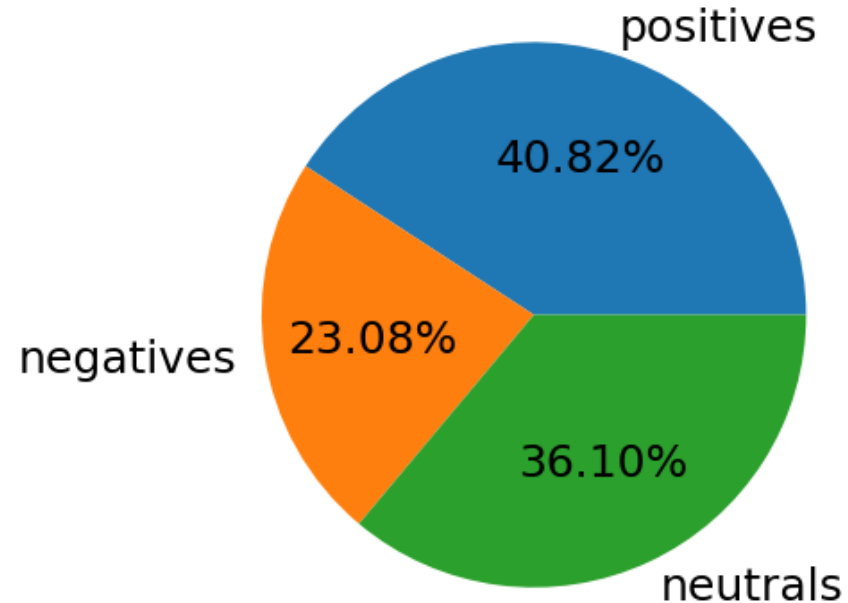
```
from nltk.sentiment.vader import SentimentIntensityAnalyzer
def SentimentAnlysis(sentence):
    sentAnalyzer = SentimentIntensityAnalyzer()
    sentDict = sentAnalyzer.polarity_scores(sentence)

    if sentDict['compound'] >= 0.05:
        return "positive"
    elif sentDict['compound'] <= -0.05 :
        return "negative"
    else:
        return "neutral"
```

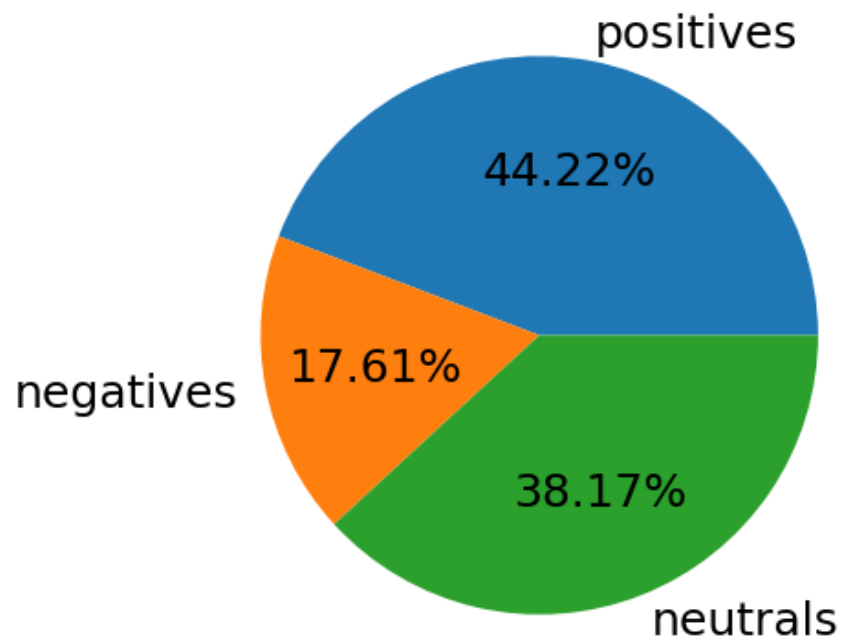
Анализ настроений для философа: Lenin



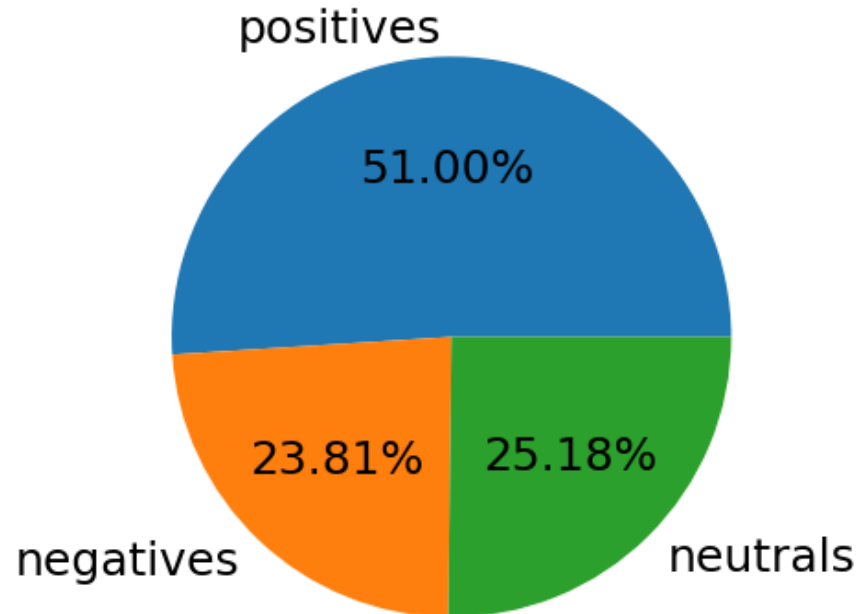
Анализ настроений для текста: Berkeley



Анализ настроений для текста: Kant



Анализ настроений для текста: Leibniz



Ссылка на проект:

<https://www.kaggle.com/inexyy/vers3>



Спасибо за внимание!