

SNLI veri setinin ilk okunmuş hali ve Veri setinden çekilen Entailment – Contradiction ve Neutral Dataframe yapısı

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Total rows in dataframe = 10000
+-----+-----+-----+-----+-----+-----+-----+-----+
| annotator_labels| captionID| gold_label| pairID| sentence1|sentence1_binary_parse| sentence1_parse| sentence2|sentence2_binary_parse| sentence2_parse|
+-----+-----+-----+-----+-----+-----+-----+-----+
|[neutral, entail...|4705552913.jpg#2| neutral|4705552913.jpg#2r1n|Two women are emb...| ( ( Two women ) (...|(ROOT (S (NP (CD ...|The sisters are h...| ( ( The sisters )...|(ROOT (S (NP (DT ...|
|[entailment, enta...|4705552913.jpg#2| entailment|4705552913.jpg#2r1e|Two women are emb...| ( ( Two women ) (...|(ROOT (S (NP (CD ...|Two woman are hol...| ( ( Two woman ) (...|(ROOT (S (NP (CD ...|
|[contradiction, c...|4705552913.jpg#2| contradiction|4705552913.jpg#2r1c|Two women are emb...| ( ( Two women ) (...|(ROOT (S (NP (CD ...|The men are fight...| ( ( The men ) (...|(ROOT (S (NP (DT ...|
|[entailment, enta...|2407214681.jpg#0| entailment|2407214681.jpg#0r1e|Two young childre...| ( ( Two ( young...|(ROOT (S (NP (NP ...|Two kids in numbe...| ( ( Two kids ) ...|(ROOT (S (NP (NP ...|
|[neutral, neutral...|2407214681.jpg#0| neutral|2407214681.jpg#0r1n|Two young childre...| ( ( Two ( young...|(ROOT (S (NP (NP ...|Two kids at a bal...| ( ( Two kids ) ...|(ROOT (S (NP (NP ...|
+-----+-----+-----+-----+-----+-----+-----+-----+
only showing top 5 rows

None
+-----+-----+-----+-----+
| sentence1|gold_label| sentence2|
+-----+-----+-----+-----+
|[Two women are emb...|entailment|Two woman are hol...|
|[Two young childre...|entailment|Two kids in numbe...|
|[A man selling don...|entailment|A man selling don...|
|[Two young boys of...|entailment| boys play football|
|[A man in a blue s...|entailment|A man is wearing ...|
+-----+-----+-----+-----+
only showing top 5 rows
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Verilerin cümle cümle vektörize olduktan sonra hesaplanan Cosine Similarity değerleri ile elde edilen dataframe yapısı

```
+-----+-----+-----+-----+
| gold_label| sentence1| sentence2|contradiction_similarity|
+-----+-----+-----+-----+
|contradiction|Two women are emb...|The men are fight...| 0.8409680955|
|contradiction|Two young childre...|Two kids in jacke...| 0.8612200351|
|contradiction|A man selling don...|A woman drinks he...| 0.7502929857|
|contradiction|Two young boys of...|dog eats out of bowl| 0.6566861262|
|contradiction|A man in a blue s...|A man is wearing ...| 0.8945643273|
+-----+-----+-----+-----+
only showing top 5 rows

+-----+-----+-----+-----+
|gold_label| sentence1| sentence2|entailment_similarity|
+-----+-----+-----+-----+
|entailment|Two women are emb...|Two woman are hol...| 0.9192473543|
|entailment|Two young childre...|Two kids in numbe...| 0.8376103814|
|entailment|A man selling don...|A man selling don...| 0.8578102682|
|entailment|Two young boys of...| boys play football| 0.7119471457|
|entailment|A man in a blue s...|A man is wearing ...| 0.8928113803|
+-----+-----+-----+-----+
only showing top 5 rows

+-----+-----+-----+-----+
|gold_label| sentence1| sentence2|neutral_similarity|
+-----+-----+-----+-----+
| neutral|Two women are emb...|The sisters are h...| 0.8239256145|
| neutral|Two young childre...|Two kids at a bal...| 0.753816356|
| neutral|A man selling don...|A man selling don...| 0.7907062776|
| neutral|Two young boys of...|boys scoring a to...| 0.7275314793|
| neutral|A man in a blue s...|A man is repainti...| 0.8733685907|
+-----+-----+-----+-----+
only showing top 5 rows
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Box Plot olarak elde edilen temsiller



