evaluate 01 er siamese bert cos sim 0.9745

April 28, 2023

1 Baseline evaluation

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[]: # Change the working directory to project root
     import pathlib
     import os
     ROOT_DIR = pathlib.Path.cwd().parent
     os.chdir(ROOT_DIR)
[]: from src.eval import main as evaluate
     import argparse
[]: # predict = "./data/dev-claims-baseline.json"
     predict = "./result/inference/model_01_base_e1_500_neg/dev_evidence_predictions.
     ⇔json"
     truth = "./data/dev-claims.json"
[ ]: parser = argparse.ArgumentParser()
     parser.add_argument("--predictions", required=True)
     parser.add_argument("--groundtruth", required=True)
     parser.add_argument("--verbose", action="store_true")
     args = parser.parse_args(args=[
         "--predictions", predict,
         "--groundtruth", truth,
         "--verbose"
     ])
[]: evaluate(args)
    groundtruth = {'claim_text': 'The corals may save themselves, as many other
    creatures are attempting to do, by moving toward the poles as the Earth warms,
    establishing new reefs in cooler water."', 'claim_label': 'SUPPORTS',
    'evidences': ['evidence-242575', 'evidence-1175280']}
    predictions = {'claim_text': 'The corals may save themselves, as many other
    creatures are attempting to do, by moving toward the poles as the Earth warms,
    establishing new reefs in cooler water."', 'claim_label': 'NOT_ENOUGH_INFO',
    'evidences': ['evidence-1175280']}
    instance accuracy = 0.0
    evidence recall = 0.5
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groundtruth = {'claim text': 'Increases in atmospheric CO2 followed increases in
temperature.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-368192',
'evidence-423643', 'evidence-629358']}
predictions = {'claim_text': 'Increases in atmospheric CO2 followed increases in
temperature.', 'claim label': 'NOT ENOUGH INFO', 'evidences':
['evidence-262028', 'evidence-548766', 'evidence-364767', 'evidence-98914',
'evidence-493616']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'While evidence that the earth's orbital variations
impact radiation levels and thus global temperatures does not of course mean
that man is not in some way impacting the climate, studies like these highlight
that the role man plays on the planet is dwarfed by natural phenomena utterly
out of our control.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-550422', 'evidence-163450', 'evidence-1107482', 'evidence-1137996',
'evidence-720840']}
predictions = {'claim_text': 'While evidence that the earth's orbital variations
impact radiation levels and thus global temperatures does not of course mean
that man is not in some way impacting the climate, studies like these highlight
that the role man plays on the planet is dwarfed by natural phenomena utterly
out of our control.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-531856', 'evidence-835510', 'evidence-1107482', 'evidence-478401',
'evidence-202502']}
instance accuracy = 1.0
evidence recall = 0.2
evidence precision = 0.2
evidence fscore = 0.20000000000000004
groundtruth = {'claim_text': '"Moreover, the ocean already contains so-called
oxygen minimum zones, generally found in the middle depths.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-747577', 'evidence-69294',
'evidence-754329', 'evidence-21184', 'evidence-754923']}
predictions = {'claim_text': '"Moreover, the ocean already contains so-called
oxygen minimum zones, generally found in the middle depths.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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evidence precision = 1.0

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groundtruth = {'claim_text': 'The particular signature of warming in 2016 was
also revealing in another way, Overpeck said, noting that the stratosphere... saw
record cold temperatures last year', 'claim label': 'NOT ENOUGH INFO',
'evidences': ['evidence-382930', 'evidence-818951', 'evidence-1020939',
'evidence-607965', 'evidence-541555']}
predictions = {'claim_text': 'The particular signature of warming in 2016 was
also revealing in another way, Overpeck said, noting that the stratosphere... saw
record cold temperatures last year', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-118589', 'evidence-1020939', 'evidence-246929',
'evidence-932266', 'evidence-677298']}
instance accuracy = 1.0
evidence recall = 0.2
evidence precision = 0.2
evidence fscore = 0.200000000000000004
groundtruth = {'claim_text': 'Last year's warmth was manifested across the
planet, from the warm tropical ocean waters off the coast of northeastern
Australia, where the Great Barrier Reef experienced its worst coral bleaching
event on record and large scale coral death, to the Arctic, where sea ice hit
regular monthly record lows and overall temperatures were also the warmest on
record, at least from January through September 2016.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-815795', 'evidence-197787',
'evidence-95039', 'evidence-617908']}
predictions = {'claim text': 'Last year's warmth was manifested across the
planet, from the warm tropical ocean waters off the coast of northeastern
Australia, where the Great Barrier Reef experienced its worst coral bleaching
event on record and large scale coral death, to the Arctic, where sea ice hit
regular monthly record lows and overall temperatures were also the warmest on
record, at least from January through September 2016.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': '"[...]The impact on calcification, metabolism,
growth, fertility and survival of calcifying marine species when pH is lowered
up to 0.3 units [...] is beneficial, not damaging.', 'claim_label': 'REFUTES',
'evidences': ['evidence-1112531', 'evidence-616116']}
predictions = {'claim_text': '"[...]The impact on calcification, metabolism,
growth, fertility and survival of calcifying marine species when pH is lowered
up to 0.3 units [...] is beneficial, not damaging.', 'claim label':
'NOT_ENOUGH_INFO', 'evidences': []}
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instance accuracy = 0.0

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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'This means the jet stream meanders more, with big
loops bringing warm air to the frozen north and cold air into warmer southern
climes."', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-459315']}
predictions = {'claim_text': 'This means the jet stream meanders more, with big
loops bringing warm air to the frozen north and cold air into warmer southern
climes."', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-459315']}
instance accuracy = 0.0
evidence recall = 1.0
evidence precision = 1.0
evidence fscore = 1.0
groundtruth = {'claim text': 'With more CO2 in the atmosphere, the challenge
[feeding 2.5 billion more people] can and will be met.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-76391']}
predictions = {'claim text': 'With more CO2 in the atmosphere, the challenge
[feeding 2.5 billion more people] can and will be met.', 'claim label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-662931', 'evidence-51588']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Lake-bottom sediments in Florida tell us that
recent major hurricane activity in the Gulf of Mexico has been less frequent
than in centuries past.', 'claim_label': 'REFUTES', 'evidences':
['evidence-1150262']}
predictions = {'claim_text': 'Lake-bottom sediments in Florida tell us that
recent major hurricane activity in the Gulf of Mexico has been less frequent
than in centuries past.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Global warming is driving major melting on the
surface of Greenland's glaciers and is speeding up their travel into the sea."',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-88825', 'evidence-1127398',
'evidence-1115033']}
predictions = {'claim_text': 'Global warming is driving major melting on the
surface of Greenland's glaciers and is speeding up their travel into the sea."',
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evidence recall = 0.0

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'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-906956',
'evidence-59240', 'evidence-123917', 'evidence-1054441', 'evidence-714996']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': 'The melting Greenland ice sheet is already a major contributor to rising sea level and if it was eventually lost entirely, the oceans would rise by six metres around the world, flooding many of the world's largest cities.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-856068', 'evidence-7473', 'evidence-952525', 'evidence-173281', 'evidence-1040612']} predictions = {'claim_text': 'The melting Greenland ice sheet is already a major contributor to rising sea level and if it was eventually lost entirely, the oceans would rise by six metres around the world, flooding many of the world's largest cities.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-906956', 'evidence-851031', 'evidence-1090469', 'evidence-213585', 'evidence-828120']} instance accuracy = 0.0 evidence recall = 0.0 evidence precision = 0.0 evidence fscore = 0.0

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groundtruth = {'claim_text': ''Next year or the year after, the Arctic will be free of ice'', 'claim_label': 'DISPUTED', 'evidences': ['evidence-731434', 'evidence-39028', 'evidence-1107462', 'evidence-954212', 'evidence-957020']} predictions = {'claim_text': ''Next year or the year after, the Arctic will be free of ice'', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []} instance accuracy = 0.0 evidence recall = 0.0 evidence precision = 0.0 evidence fscore = 0.0
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groundtruth = {'claim_text': 'While the north-east, midwest and upper great plains have experienced a 30% increase in heavy rainfall episodes - considered once-in-every-five year downpours - parts of the west, particularly California, have been parched by drought.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-17722', 'evidence-1023411', 'evidence-443760', 'evidence-948853']} predictions = {'claim_text': 'While the north-east, midwest and upper great plains have experienced a 30% increase in heavy rainfall episodes - considered once-in-every-five year downpours - parts of the west, particularly California, have been parched by drought.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}

instance accuracy = 0.0
evidence recall = 0.0

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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'This means that the world is now 1C warmer than it
was in pre-industrial times', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-889933', 'evidence-694262']}
predictions = {'claim_text': 'This means that the world is now 1C warmer than it
was in pre-industrial times', 'claim label': 'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = { 'claim text': 'The rapid changes in the climate may have profound
consequences for humans and other species... Severe drought caused food shortages
for millions of people in Ethiopia, with a lack of rainfall resulting in
"intense and widespread" forest fires in Indonesia that belched out a vast
quantity of greenhouse gas', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-659559', 'evidence-181656', 'evidence-499929', 'evidence-354699']}
predictions = {'claim_text': 'The rapid changes in the climate may have profound
consequences for humans and other species... Severe drought caused food shortages
for millions of people in Ethiopia, with a lack of rainfall resulting in
"intense and widespread" forest fires in Indonesia that belched out a vast
quantity of greenhouse gas', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Any reasonable person can recognize both positives
and negatives among the policy proposals of both Tories and Labour.',
'claim label': 'NOT ENOUGH INFO', 'evidences': ['evidence-342343',
'evidence-399707', 'evidence-1014366', 'evidence-462075', 'evidence-627910']}
predictions = {'claim text': 'Any reasonable person can recognize both positives
and negatives among the policy proposals of both Tories and Labour.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'And in January, one out of five British children
told pollsters they were having nightmares about climate change.',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-315515']}
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predictions = {'claim text': 'And in January, one out of five British children
told pollsters they were having nightmares about climate change.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The late 1970s marked the end of a 30-year cooling
trend.', 'claim_label': 'REFUTES', 'evidences': ['evidence-502252']}
predictions = {'claim text': 'The late 1970s marked the end of a 30-year cooling
trend.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': '"In their award winning book, 'Taken By Storm'
(2007), Canadian researchers Christopher Essex and Ross McKitrick explain:
'Temperature is not an amount of something [like height or weight].',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-25485',
'evidence-189203', 'evidence-710700', 'evidence-948988', 'evidence-179080']}
predictions = {'claim_text': '"In their award winning book, 'Taken By Storm'
(2007), Canadian researchers Christopher Essex and Ross McKitrick explain:
'Temperature is not an amount of something [like height or weight].',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Greenpeace didn't save the whales, switching from
whale oil to petroleum and palm oil did', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-51845', 'evidence-1025353', 'evidence-917144',
'evidence-426684', 'evidence-784155']}
predictions = {'claim_text': 'Greenpeace didn't save the whales, switching from
whale oil to petroleum and palm oil did', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'In recent decades this warming has been
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accompanied by a constant rise in the sea level and, it would appear, by an
increase of extreme weather events, even if a scientifically determinable cause
cannot be assigned to each particular phenomenon.', 'claim_label': 'SUPPORTS',
'evidences': ['evidence-946255', 'evidence-1129603', 'evidence-456747',
'evidence-1091550'l}
predictions = {'claim_text': 'In recent decades this warming has been
accompanied by a constant rise in the sea level and, it would appear, by an
increase of extreme weather events, even if a scientifically determinable cause
cannot be assigned to each particular phenomenon.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-121500', 'evidence-53555',
'evidence-275823', 'evidence-871977', 'evidence-531856']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Concentrated in the atmosphere, these gases do not
allow the warmth of the sun's rays reflected by the earth to be dispersed in
space.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-1069448',
'evidence-767961']}
predictions = {'claim text': 'Concentrated in the atmosphere, these gases do not
allow the warmth of the sun's rays reflected by the earth to be dispersed in
space.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Many of the world's coral reefs are already barren
or in a state of constant decline.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-1124018', 'evidence-995813', 'evidence-1161994',
'evidence-288294', 'evidence-946262']}
predictions = {'claim text': 'Many of the world's coral reefs are already barren
or in a state of constant decline.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'The amount of carbon dioxide absorbed by the upper
layer of the oceans is increasing by about 2 billion tons per year.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-425667',
'evidence-956954', 'evidence-923136', 'evidence-498380', 'evidence-257475']}
predictions = {'claim text': 'The amount of carbon dioxide absorbed by the upper
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layer of the oceans is increasing by about 2 billion tons per year.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-620559',
'evidence-257475', 'evidence-1158606', 'evidence-1054050', 'evidence-488727']}
instance accuracy = 1.0
evidence recall = 0.2
evidence precision = 0.2
evidence fscore = 0.20000000000000004
groundtruth = {'claim_text': 'the concentration of carbon dioxide in Earth's
atmosphere has climbed to a level last seen more than 3 million years ago -
before humans even appeared on the rocky ball we call home.', 'claim label':
'SUPPORTS', 'evidences': ['evidence-551522']}
predictions = {'claim_text': 'the concentration of carbon dioxide in Earth's
atmosphere has climbed to a level last seen more than 3 million years ago -
before humans even appeared on the rocky ball we call home.', 'claim label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-450316', 'evidence-648764',
'evidence-788947', 'evidence-551522', 'evidence-252580']}
instance accuracy = 0.0
evidence recall = 1.0
evidence precision = 0.2
groundtruth = {'claim_text': 'no one really knows if last year 2016 was a global
temperature record.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-915569', 'evidence-742898', 'evidence-730599', 'evidence-169703',
'evidence-64048']}
predictions = {'claim text': 'no one really knows if last year 2016 was a global
temperature record.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'The Earth's climate is changing in response to
increasing concentrations of greenhouse gases (GHGs) and particulate matter in
the atmosphere, largely as the result of human activities.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-1059381', 'evidence-1187937',
'evidence-950186']}
predictions = {'claim_text': 'The Earth's climate is changing in response to
increasing concentrations of greenhouse gases (GHGs) and particulate matter in
the atmosphere, largely as the result of human activities.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-629358', 'evidence-220020',
'evidence-511848', 'evidence-779734', 'evidence-1187937']}
instance accuracy = 0.0
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evidence precision = 0.2
evidence fscore = 0.25
groundtruth = { 'claim text': "There's no empirical evidence for climate
change.", 'claim_label': 'REFUTES', 'evidences': ['evidence-1047048',
'evidence-574477']}
predictions = {'claim_text': "There's no empirical evidence for climate
change.", 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'IPCC overestimate temperature rise.',
'claim_label': 'REFUTES', 'evidences': ['evidence-105184']}
predictions = {'claim_text': 'IPCC overestimate temperature rise.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Scientists retracted claim that sea levels are
rising.', 'claim_label': 'REFUTES', 'evidences': ['evidence-988277',
'evidence-1091550', 'evidence-98543', 'evidence-1121998']}
predictions = {'claim text': 'Scientists retracted claim that sea levels are
rising.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': "CO2 limits won't cool the planet.", 'claim label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-913997', 'evidence-955328',
'evidence-401235', 'evidence-915569', 'evidence-370378']}
predictions = {'claim_text': "CO2 limits won't cool the planet.", 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Extreme melting and changes to the climate like
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this has released pressure on to the continent, allowing the ground to rise
up.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-702708']}
predictions = {'claim_text': 'Extreme melting and changes to the climate like
this has released pressure on to the continent, allowing the ground to rise
up.', 'claim label': 'NOT ENOUGH INFO', 'evidences': ['evidence-780167',
'evidence-968110', 'evidence-1192872', 'evidence-1067341', 'evidence-869636']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Worry about global warming impacts in the next 100
years, not an ice age in over 10,000 years.', 'claim label': 'NOT ENOUGH INFO',
'evidences': ['evidence-336096', 'evidence-418973', 'evidence-142343',
'evidence-954212', 'evidence-1016625']}
predictions = {'claim_text': 'Worry about global warming impacts in the next 100
years, not an ice age in over 10,000 years.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-1159499', 'evidence-954212', 'evidence-1201952',
'evidence-1142444', 'evidence-297723']}
instance accuracy = 1.0
evidence recall = 0.2
evidence precision = 0.2
evidence fscore = 0.20000000000000004
groundtruth = {'claim_text': "Al Gore's book is quite accurate, and far more
accurate than contrarian books.", 'claim_label': 'SUPPORTS', 'evidences':
['evidence-506072', 'evidence-1109658', 'evidence-1087633', 'evidence-1033955']}
predictions = {'claim_text': "Al Gore's book is quite accurate, and far more
accurate than contrarian books.", 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
[]}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Thick arctic sea ice is in rapid retreat.',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-280204', 'evidence-1200544',
'evidence-629116']}
predictions = {'claim text': 'Thick arctic sea ice is in rapid retreat.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-29963']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': 'Evidence is building that net cloud feedback is
likely positive and unlikely to be strongly negative.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-95001']}
predictions = {'claim text': 'Evidence is building that net cloud feedback is
likely positive and unlikely to be strongly negative.', 'claim_label':
'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Around 97% of climate experts agree that humans
are causing global warming.', 'claim_label': 'DISPUTED', 'evidences':
['evidence-503460', 'evidence-797793']}
predictions = {'claim_text': 'Around 97% of climate experts agree that humans
are causing global warming.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-98115', 'evidence-5055', 'evidence-793124', 'evidence-1074729',
'evidence-635378']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': "Global warming' and 'climate change' mean
different things and have both been used for decades.", 'claim_label':
'DISPUTED', 'evidences': ['evidence-59188', 'evidence-1121750']}
predictions = {'claim text': "Global warming' and 'climate change' mean
different things and have both been used for decades.", 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-59188', 'evidence-377592',
'evidence-506460', 'evidence-695091', 'evidence-984234']}
instance accuracy = 0.0
evidence recall = 0.5
evidence precision = 0.2
evidence fscore = 0.28571428571428575
groundtruth = {'claim_text': 'The actual data show high northern latitudes are
warmer today than in 1940.', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-857561', 'evidence-1150493']}
predictions = {'claim_text': 'The actual data show high northern latitudes are
warmer today than in 1940.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-694262', 'evidence-351690', 'evidence-590326', 'evidence-400014',
'evidence-818951']}
instance accuracy = 0.0
evidence recall = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'If there were [carbon emissions], we could not see
because most carbon is black.', 'claim_label': 'REFUTES', 'evidences':
['evidence-142343']}
predictions = {'claim_text': 'If there were [carbon emissions], we could not see
because most carbon is black.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
[]
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Jim Hansen had several possible scenarios; his
mid-level scenario B was right.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-1005240', 'evidence-485896', 'evidence-147653', 'evidence-210167',
'evidence-901245']}
predictions = {'claim text': 'Jim Hansen had several possible scenarios; his
mid-level scenario B was right.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The IPCC simply updated their temperature history
graphs to show the best data available at the time.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-660105', 'evidence-1197833',
'evidence-1052408', 'evidence-911855', 'evidence-332770']}
predictions = {'claim_text': 'The IPCC simply updated their temperature history
graphs to show the best data available at the time.', 'claim label':
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instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Venus very likely underwent a runaway or 'moist'
greenhouse phase earlier in its history, and today is kept hot by a dense CO2
atmosphere.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-1043526']}
predictions = {'claim_text': 'Venus very likely underwent a runaway or 'moist'
greenhouse phase earlier in its history, and today is kept hot by a dense CO2
atmosphere.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-94670',
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'evidence-224942', 'evidence-1201952', 'evidence-900638', 'evidence-211727']}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'CFCs contribute to global waerming at a small
level.', 'claim_label': 'REFUTES', 'evidences': ['evidence-845527',
'evidence-105411', 'evidence-323167']}
predictions = {'claim_text': 'CFCs contribute to global waerming at a small
level.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Reefs need carbon dioxide; it's their basic
food.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-881960',
'evidence-903942', 'evidence-795828', 'evidence-218166', 'evidence-114903']}
predictions = {'claim text': 'Reefs need carbon dioxide; it's their basic
food.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'A 14 August 1912 article from a New Zealand
newspaper contained a brief story about how burning coal might produce future
warming by adding carbon dioxide to the atmosphere.', 'claim_label': 'SUPPORTS',
'evidences': ['evidence-173323', 'evidence-477558']}
predictions = {'claim_text': 'A 14 August 1912 article from a New Zealand
newspaper contained a brief story about how burning coal might produce future
warming by adding carbon dioxide to the atmosphere.', 'claim_label':
'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Greg Hunt CSIRO research shows carbon emissions
can be reduced by 20 per cent over 40 years using nature, soils and trees.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-798121',
'evidence-305800', 'evidence-108068', 'evidence-234076', 'evidence-1111240']}
predictions = {'claim_text': 'Greg Hunt CSIRO research shows carbon emissions
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can be reduced by 20 per cent over 40 years using nature, soils and trees.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'NASA Finds Antarctica is Gaining Ice,',
'claim_label': 'DISPUTED', 'evidences': ['evidence-1099128', 'evidence-529248',
'evidence-591257']}
predictions = {'claim_text': 'NASA Finds Antarctica is Gaining Ice,',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Newt Gingrich "teamed with Nancy Pelosi and Al
Gore on global warming."', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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'evidence-971592']}
predictions = {'claim_text': 'Newt Gingrich "teamed with Nancy Pelosi and Al
Gore on global warming."', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The claim that 97 percent of scientists believe
humans are causing climate change has been debunked by the "head" of the United
Nations Intergovernmental Panel on Climate Change.', 'claim_label':
'NOT ENOUGH INFO', 'evidences': ['evidence-963115', 'evidence-154218',
'evidence-503460', 'evidence-797793', 'evidence-335835']}
predictions = {'claim text': 'The claim that 97 percent of scientists believe
humans are causing climate change has been debunked by the "head" of the United
Nations Intergovernmental Panel on Climate Change.', 'claim_label':
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'evidence-793124', 'evidence-346869', 'evidence-971069']}
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'In the past, warming has never been a threat to
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life on Earth.', 'claim_label': 'REFUTES', 'evidences': ['evidence-255653',
'evidence-817833']}
predictions = {'claim_text': 'In the past, warming has never been a threat to
life on Earth.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Latest IPCC Reports (AR5) have shown global mean
temperature forecasts from the 2005 IPCC report exceeded actual readings.',
'claim_label': 'REFUTES', 'evidences': ['evidence-232879', 'evidence-1197833']}
predictions = {'claim text': 'Latest IPCC Reports (AR5) have shown global mean
temperature forecasts from the 2005 IPCC report exceeded actual readings.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The rate of renewable energy installations in the
EU in 2018 was less than half the maximum level achieved in 2010.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-1113929',
'evidence-363747', 'evidence-268009', 'evidence-90731', 'evidence-1065009']}
predictions = {'claim_text': 'The rate of renewable energy installations in the
EU in 2018 was less than half the maximum level achieved in 2010.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'after a natural orbitally driven warming,
atmospheric carbon dioxide content increases 800 years later', 'claim label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-368192', 'evidence-261690',
'evidence-203533', 'evidence-803887', 'evidence-890534']}
predictions = {'claim_text': 'after a natural orbitally driven warming,
atmospheric carbon dioxide content increases 800 years later', 'claim_label':
'NOT ENOUGH INFO', 'evidences': ['evidence-262028', 'evidence-584709',
'evidence-657496', 'evidence-203533', 'evidence-158856']}
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evidence recall = 0.2
evidence precision = 0.2
evidence fscore = 0.200000000000000004
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groundtruth = {'claim_text': 'Global warming is causing more hurricanes and
stronger hurricanes.', 'claim_label': 'SUPPORTS', 'evidences':
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predictions = {'claim text': 'Global warming is causing more hurricanes and
stronger hurricanes.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Global warming is increasing the magnitude and
frequency of droughts and floods.', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-657110', 'evidence-553897', 'evidence-1091550']}
predictions = {'claim_text': 'Global warming is increasing the magnitude and
frequency of droughts and floods.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-717597', 'evidence-827031', 'evidence-275823',
'evidence-29528', 'evidence-398548']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Through its impacts on the climate, CO2 presents a
danger to public health and welfare, and thus qualifies as an air pollutant',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-743065']}
predictions = {'claim text': 'Through its impacts on the climate, CO2 presents a
danger to public health and welfare, and thus qualifies as an air pollutant',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Clouds provide negative feedback', 'claim_label':
'DISPUTED', 'evidences': ['evidence-207443', 'evidence-1029618',
'evidence-208863']}
predictions = {'claim_text': 'Clouds provide negative feedback', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': 'Lindzen and Choi find low climate sensitivity',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-127999']}
predictions = {'claim_text': 'Lindzen and Choi find low climate sensitivity',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Greenland has only lost a tiny fraction of its ice
mass', 'claim_label': 'REFUTES', 'evidences': ['evidence-52981',
'evidence-264761', 'evidence-947243', 'evidence-424102']}
predictions = {'claim text': 'Greenland has only lost a tiny fraction of its ice
mass', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'IPCC graph showing accelerating trends is
misleading', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-41418']}
predictions = {'claim_text': 'IPCC graph showing accelerating trends is
misleading', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'We have had ice ages and warmer periods when
alligators were found in Spitzbergen.', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-224942', 'evidence-1113919']}
predictions = {'claim text': 'We have had ice ages and warmer periods when
alligators were found in Spitzbergen.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': '[Ice] is expanding in much of Antarctica, contrary
to the widespread public belief that global warming is melting the continental
ice cap.', 'claim_label': 'DISPUTED', 'evidences': ['evidence-728645',
'evidence-1170460']}
predictions = {'claim_text': '[Ice] is expanding in much of Antarctica, contrary
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to the widespread public belief that global warming is melting the continental
ice cap.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-118577',
'evidence-88825', 'evidence-851726', 'evidence-1184933', 'evidence-591257']}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The majority of peer reviewed research at the time
predicted warming due to increasing CO2.', 'claim_label': 'SUPPORTS',
'evidences': ['evidence-976285']}
predictions = {'claim text': 'The majority of peer reviewed research at the time
predicted warming due to increasing CO2.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-716825', 'evidence-1111236', 'evidence-805335',
'evidence-705706', 'evidence-223672']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'The CO2 amplifies the warming and mixes through
the atmosphere, spreading warming throughout the planet.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-993522', 'evidence-1007525',
'evidence-368192', 'evidence-991415']}
predictions = {'claim_text': 'The CO2 amplifies the warming and mixes through
the atmosphere, spreading warming throughout the planet.', 'claim_label':
'NOT ENOUGH INFO', 'evidences': ['evidence-625563', 'evidence-843608',
'evidence-337493', 'evidence-1099844', 'evidence-716825']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': "Some global warming 'skeptics' argue that the
Earth's climate sensitivity is so low that a doubling of atmospheric CO2 will
result in a surface temperature change on the order of 1°C or less, and that
therefore global warming is nothing to worry about.", 'claim_label': 'REFUTES',
'evidences': ['evidence-692256', 'evidence-1049371']}
predictions = {'claim_text': "Some global warming 'skeptics' argue that the
Earth's climate sensitivity is so low that a doubling of atmospheric CO2 will
result in a surface temperature change on the order of 1°C or less, and that
therefore global warming is nothing to worry about.", 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-573620', 'evidence-1068819',
'evidence-423643', 'evidence-632574', 'evidence-399273']}
instance accuracy = 0.0
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': '[...] Constant 24-7 media coverage of every
significant storm worldwide just makes it seem that way."', 'claim label':
'SUPPORTS', 'evidences': ['evidence-754084', 'evidence-940616']}
predictions = {'claim text': '[...] Constant 24-7 media coverage of every
significant storm worldwide just makes it seem that way."', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'While there are isolated cases of growing
glaciers, the overwhelming trend in glaciers worldwide is retreat.',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-797867', 'evidence-152443',
'evidence-272489', 'evidence-947076']}
predictions = {'claim_text': 'While there are isolated cases of growing
glaciers, the overwhelming trend in glaciers worldwide is retreat.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-725428']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': '"Austria is today seeing its earliest snowfall in
history with 30 to 40 centimetres already predicted in the mountains.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-163344',
'evidence-612818', 'evidence-208322', 'evidence-776430', 'evidence-977782']}
predictions = {'claim text': '"Austria is today seeing its earliest snowfall in
history with 30 to 40 centimetres already predicted in the mountains.',
'claim label': 'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = { 'claim text': '"In 2007, the Northern Hemisphere reached a record
low in ice coverage and the Northwest Passage was opened.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-1017927', 'evidence-956029',
'evidence-29644', 'evidence-1079662']}
predictions = {'claim_text': '"In 2007, the Northern Hemisphere reached a record
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low in ice coverage and the Northwest Passage was opened.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Satellite measurements of infrared spectra over
the past 40 years observe less energy escaping to space at the wavelengths
associated with CO2.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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'evidence-472543']}
predictions = {'claim_text': 'Satellite measurements of infrared spectra over
the past 40 years observe less energy escaping to space at the wavelengths
associated with CO2.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'While the greenhouse effect is a natural
occurence, too much warming has severe negative impacts on agriculture, health
and environment.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-1047395',
'evidence-398589', 'evidence-1122962', 'evidence-504446', 'evidence-298450']}
predictions = {'claim_text': 'While the greenhouse effect is a natural
occurence, too much warming has severe negative impacts on agriculture, health
and environment.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-1047395', 'evidence-269919', 'evidence-1057929', 'evidence-416007',
'evidence-959844']}
instance accuracy = 0.0
evidence recall = 0.2
evidence precision = 0.2
evidence fscore = 0.20000000000000004
groundtruth = {'claim_text': '\'To suddenly label CO2 as a "pollutant" is a
disservice to a gas that has played an enormous role in the development and
sustainability of all life on this wonderful Earth.', 'claim_label': 'REFUTES',
'evidences': ['evidence-409365', 'evidence-127519', 'evidence-852573',
'evidence-1022738']}
predictions = {'claim_text': '\'To suddenly label CO2 as a "pollutant" is a
disservice to a gas that has played an enormous role in the development and
sustainability of all life on this wonderful Earth.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': '"Twentieth century global warming did not start
until 1910.', 'claim_label': 'REFUTES', 'evidences': ['evidence-697238']}
predictions = {'claim text': '"Twentieth century global warming did not start
until 1910.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'With 32 years of rapidly increasing global
temperatures and only a minor increase in global CO2 emissions, followed by 33
years of slowly cooling global temperatures with rapid increases in global CO2
emissions, it was deceitful for the IPCC to make any claim that CO2 emissions
were primarily responsible for observed 20th century global warming."',
'claim_label': 'REFUTES', 'evidences': ['evidence-755175', 'evidence-1202023',
'evidence-483558']}
predictions = {'claim text': 'With 32 years of rapidly increasing global
temperatures and only a minor increase in global CO2 emissions, followed by 33
years of slowly cooling global temperatures with rapid increases in global CO2
emissions, it was deceitful for the IPCC to make any claim that CO2 emissions
were primarily responsible for observed 20th century global warming."',
'claim label': 'NOT ENOUGH INFO', 'evidences': ['evidence-599055',
'evidence-423643', 'evidence-817759', 'evidence-742898', 'evidence-1068819']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Furthermore, it is physically incorrect to state
that the planet is simply "recovering" from the Little Ice Age.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-494148']}
predictions = {'claim_text': 'Furthermore, it is physically incorrect to state
that the planet is simply "recovering" from the Little Ice Age.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': '(Kerr 2007) points out that the sunlightreflecting haze that cools much of the planet seems to have thinned over the

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past decade or so.', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-220532']}
predictions = {'claim text': '(Kerr 2007) points out that the sunlight-
reflecting haze that cools much of the planet seems to have thinned over the
past decade or so.', 'claim label': 'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = { 'claim text': "Without the forests' humidity, previously
moisture-laden winds blew dry.", 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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'evidence-335697']}
predictions = {'claim_text': "Without the forests' humidity, previously
moisture-laden winds blew dry.", 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
[]}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'On a world scale coral reefs are in decline.',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-369389', 'evidence-406279',
'evidence-292123', 'evidence-886566', 'evidence-580567']}
predictions = {'claim text': 'On a world scale coral reefs are in decline.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-580567']}
instance accuracy = 0.0
evidence recall = 0.2
evidence precision = 1.0
groundtruth = {'claim_text': '"Three recent articles give us reason to question
the alarmists' claims that coral reefs are in deep trouble due to the buildup
of greenhouse gases." (World Climate Report)', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-663642', 'evidence-463557',
'evidence-469998', 'evidence-511848', 'evidence-338219']}
predictions = {'claim_text': '"Three recent articles give us reason to question
the alarmists' claims that coral reefs are in deep trouble due to the buildup
of greenhouse gases." (World Climate Report)', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': 'Over the past 250 years, humans have added just
one part of CO2 in 10,000 to the atmosphere.', 'claim_label': 'REFUTES',
'evidences': ['evidence-861762', 'evidence-788947', 'evidence-252580']}
predictions = {'claim_text': 'Over the past 250 years, humans have added just
one part of CO2 in 10,000 to the atmosphere.', 'claim label': 'NOT ENOUGH INFO',
'evidences': ['evidence-662931', 'evidence-51588', 'evidence-1205623',
'evidence-916975', 'evidence-620559']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Volcanoes emit around 0.3 billion tonnes of CO2
per year.', 'claim_label': 'DISPUTED', 'evidences': ['evidence-15399',
'evidence-243372']}
predictions = {'claim_text': 'Volcanoes emit around 0.3 billion tonnes of CO2
per year.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-208053',
'evidence-425667', 'evidence-243372', 'evidence-15399', 'evidence-91099']}
instance accuracy = 0.0
evidence recall = 1.0
evidence precision = 0.4
evidence fscore = 0.5714285714285715
groundtruth = {'claim_text': '"Each unit of CO2 you put into the atmosphere has
less and less of a warming impact.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-827004', 'evidence-677057', 'evidence-1169593',
'evidence-1099186', 'evidence-178206']}
predictions = {'claim_text': '"Each unit of CO2 you put into the atmosphere has
less and less of a warming impact.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-716825', 'evidence-247680', 'evidence-419870',
'evidence-46356', 'evidence-1205623']}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': '[T]he study indicates "Greenland's ice may be less
susceptible to the massive meltdown predicted by computer models of climate
change, the main author ... said in an interview. ...', 'claim_label':
'REFUTES', 'evidences': ['evidence-857269', 'evidence-797161']}
predictions = {'claim text': '[T]he study indicates "Greenland's ice may be less
susceptible to the massive meltdown predicted by computer models of climate
change, the main author ... said in an interview. ...', 'claim_label':
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'NOT_ENOUGH_INFO', 'evidences': ['evidence-906956', 'evidence-783884',
'evidence-123917', 'evidence-401893', 'evidence-1182723']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Individual carbon dioxide molecules have a short
life time of around 5 years in the atmosphere.', 'claim_label': 'REFUTES',
'evidences': ['evidence-185746', 'evidence-801956', 'evidence-938381']}
predictions = {'claim text': 'Individual carbon dioxide molecules have a short
life time of around 5 years in the atmosphere.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-801956']}
instance accuracy = 0.0
evidence precision = 1.0
evidence fscore = 0.5
groundtruth = {'claim text': 'in 1995 one scientist at the IPCC - Jonathan
Overpeck - wrote an email to a colleague claiming 'we have to get rid of the
Medieval Warm Period.'', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-112875', 'evidence-33543', 'evidence-974202', 'evidence-332770',
'evidence-32121']}
predictions = {'claim_text': 'in 1995 one scientist at the IPCC - Jonathan
Overpeck - wrote an email to a colleague claiming 'we have to get rid of the
Medieval Warm Period.'', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'The final amount of extra CO2 that remains in the
atmosphere stays there on a time scale of centuries.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-1205623', 'evidence-620559',
'evidence-20807']}
predictions = {'claim_text': 'The final amount of extra CO2 that remains in the
atmosphere stays there on a time scale of centuries.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-662931', 'evidence-149105',
'evidence-801956']}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': 'The "decline" refers to a decline in northern
tree-rings, not global temperature, and is openly discussed in papers and the
IPCC reports.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-224185',
'evidence-267910', 'evidence-736392']}
predictions = {'claim text': 'The "decline" refers to a decline in northern
tree-rings, not global temperature, and is openly discussed in papers and the
IPCC reports.', 'claim label': 'NOT ENOUGH INFO', 'evidences':
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groundtruth = {'claim_text': 'The IPCC no longer includes the 'Hockey stick'
chart in its reports.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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'evidence-1085447']}
predictions = {'claim_text': 'The IPCC no longer includes the 'Hockey stick'
chart in its reports.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = { 'claim text': '"...there is the contention by Wolfgang Knorr of
the Department of Earth Sciences at the University of Bristol in England that
carbon dioxide levels in the atmosphere are about where they were 160 years
ago." (as quoted by Ken Ward Jr.)', 'claim_label': 'REFUTES', 'evidences':
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predictions = {'claim_text': '"...there is the contention by Wolfgang Knorr of
the Department of Earth Sciences at the University of Bristol in England that
carbon dioxide levels in the atmosphere are about where they were 160 years
ago." (as quoted by Ken Ward Jr.)', 'claim label': 'NOT ENOUGH INFO',
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evidence precision = 0.0
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groundtruth = {'claim_text': '"The solubility of carbon dioxide in water is
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temperature. ...', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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predictions = {'claim_text': '"The solubility of carbon dioxide in water is
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listed in the Handbook of Chemistry and Physics as a declining function of
temperature. ...', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': "There are a myriad of other radiative forcings
that affect the planet's energy imbalance.", 'claim_label': 'SUPPORTS',
'evidences': ['evidence-1190716', 'evidence-2462', 'evidence-814421',
'evidence-968110', 'evidence-1106814']}
predictions = {'claim_text': "There are a myriad of other radiative forcings
that affect the planet's energy imbalance.", 'claim label': 'NOT ENOUGH INFO',
'evidences': ['evidence-1190716']}
instance accuracy = 0.0
evidence recall = 0.2
evidence precision = 1.0
groundtruth = {'claim_text': 'The long term trend from albedo is that of
cooling.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-695602',
'evidence-458452', 'evidence-1075210']}
predictions = {'claim_text': 'The long term trend from albedo is that of
cooling.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': "Hansen's 1988 results are evidence that the actual
climate sensitivity is about 3°C for a doubling of atmospheric CO2.",
'claim label': 'DISPUTED', 'evidences': ['evidence-632574', 'evidence-918450',
'evidence-692256']}
predictions = {'claim text': "Hansen's 1988 results are evidence that the actual
climate sensitivity is about 3°C for a doubling of atmospheric CO2.",
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-632574',
'evidence-210167', 'evidence-575705', 'evidence-1049371', 'evidence-46356']}
instance accuracy = 0.0
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evidence fscore = 0.25
groundtruth = { 'claim_text': 'Had he used the currently accepted value of
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approximately 3°C warming for a doubling of atmospheric CO2, Hansen would have

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correctly projected the ensuing global warming.', 'claim_label': 'SUPPORTS',
'evidences': ['evidence-210167']}
predictions = {'claim_text': 'Had he used the currently accepted value of
approximately 3°C warming for a doubling of atmospheric CO2, Hansen would have
correctly projected the ensuing global warming.', 'claim label':
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'evidence-843608', 'evidence-46356', 'evidence-493616']}
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The motions of the massive oceans where heat is
moved between deep layers and the surface provides variability on time scales
from years to centuries.', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-383714', 'evidence-94747', 'evidence-213245']}
predictions = {'claim_text': 'The motions of the massive oceans where heat is
moved between deep layers and the surface provides variability on time scales
from years to centuries.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'In an interview with the BBC after the scandal
broke, Dr Jones admitted there had been no statistically significant global
warming since 1995', 'claim_label': 'DISPUTED', 'evidences': ['evidence-18549',
'evidence-298772', 'evidence-509654']}
predictions = {'claim_text': 'In an interview with the BBC after the scandal
broke, Dr Jones admitted there had been no statistically significant global
warming since 1995', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'In fact, the authors go on to estimate climate
sensitivity from their findings, calculate a value between 2.3 to 4.1°C.',
'claim_label': 'DISPUTED', 'evidences': ['evidence-679700', 'evidence-158204',
'evidence-1049371', 'evidence-358515', 'evidence-920160']}
predictions = {'claim_text': 'In fact, the authors go on to estimate climate
sensitivity from their findings, calculate a value between 2.3 to 4.1°C.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'More importantly, the OISM list only contains 39
scientists who specialise in climate science.', 'claim label':
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'evidence-363528', 'evidence-1161865', 'evidence-676759']}
predictions = {'claim_text': 'More importantly, the OISM list only contains 39
scientists who specialise in climate science.', 'claim_label':
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': "Skeptics who oppose scientific findings that
threaten their world view are far closer to Galileo's belief-based critics in
the Catholic Church.", 'claim label': 'SUPPORTS', 'evidences': ['evidence-392',
'evidence-1091064', 'evidence-847727']}
predictions = {'claim_text': "Skeptics who oppose scientific findings that
threaten their world view are far closer to Galileo's belief-based critics in
the Catholic Church.", 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Trenberth\'s views are clarified in the paper "An
imperative for climate change planning: tracking Earth\'s global energy".',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-363958']}
predictions = {'claim text': 'Trenberth\'s views are clarified in the paper "An
imperative for climate change planning: tracking Earth\'s global energy".',
'claim label': 'NOT ENOUGH INFO', 'evidences': ['evidence-363958']}
instance accuracy = 0.0
evidence recall = 1.0
evidence precision = 1.0
evidence fscore = 1.0
groundtruth = { 'claim text': 'Heat is continuing to build up in the subsurface
ocean.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-742886',
'evidence-131135', 'evidence-71710', 'evidence-1020632', 'evidence-674318']}
predictions = {'claim_text': 'Heat is continuing to build up in the subsurface
ocean.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
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instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'The latest measurements involve the use of
satellite gravimetry, estimating the mass of terrain beneath by detecting
slight changes in gravity as a satellite passes overhead.', 'claim_label':
'SUPPORTS', 'evidences': ['evidence-8627', 'evidence-81511']}
predictions = {'claim_text': 'The latest measurements involve the use of
satellite gravimetry, estimating the mass of terrain beneath by detecting
slight changes in gravity as a satellite passes overhead.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Water vapor helps trap heat, and is a far the
strongest of the major greenhouse gases, contributing 36-72 percent of the
greenhouse effect.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-909112',
'evidence-706949']}
predictions = {'claim_text': 'Water vapor helps trap heat, and is a far the
strongest of the major greenhouse gases, contributing 36-72 percent of the
greenhouse effect.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-986681', 'evidence-481206', 'evidence-991415', 'evidence-1100614',
'evidence-179283']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Once natural influences, in particular the impact
of El Niño and La Niña, are removed from the recent termperature record, there
is no evidence of a significant change in the human contribution to climate
change.', 'claim_label': 'DISPUTED', 'evidences': ['evidence-1187937',
'evidence-881808', 'evidence-338219']}
predictions = {'claim_text': 'Once natural influences, in particular the impact
of El Niño and La Niña, are removed from the recent termperature record, there
is no evidence of a significant change in the human contribution to climate
change.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-398548',
'evidence-9075', 'evidence-636608', 'evidence-1081418', 'evidence-398982']}
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evidence recall = 0.0
evidence precision = 0.0
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groundtruth = {'claim_text': "'Another global warming myth comes crashing
down.", 'claim label': 'NOT ENOUGH INFO', 'evidences': ['evidence-780841',
'evidence-53215', 'evidence-240527', 'evidence-1068590', 'evidence-588917']}
predictions = {'claim text': "'Another global warming myth comes crashing
down.", 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Continued greenhouse gas emissions at or above
current rates would cause further warming and induce many changes in the global
climate system during the 21st century that would very likely be larger than
those observed during the 20th century.', 'claim_label': 'SUPPORTS',
'evidences': ['evidence-504415']}
predictions = {'claim text': 'Continued greenhouse gas emissions at or above
current rates would cause further warming and induce many changes in the global
climate system during the 21st century that would very likely be larger than
those observed during the 20th century.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': ['evidence-423643', 'evidence-269919', 'evidence-635378',
'evidence-377576', 'evidence-1068819']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'So this is a government which is proposing to put
at risk our manufacturing industry, to penalise struggling families, to make a
tough situation worse for millions of households right around Australia.',
'claim label': 'NOT ENOUGH INFO', 'evidences': ['evidence-137771',
'evidence-100483', 'evidence-617690', 'evidence-462483', 'evidence-222747']}
predictions = {'claim text': 'So this is a government which is proposing to put
at risk our manufacturing industry, to penalise struggling families, to make a
tough situation worse for millions of households right around Australia.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': "Multiple lines of evidence indicate Greenland's
ice loss is accelerating and will contribute sea level rise in the order of

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metres over the next few centuries.", 'claim_label': 'SUPPORTS', 'evidences':
['evidence-59240', 'evidence-391045', 'evidence-123917']}
predictions = {'claim_text': "Multiple lines of evidence indicate Greenland's
ice loss is accelerating and will contribute sea level rise in the order of
metres over the next few centuries.", 'claim label': 'NOT ENOUGH INFO',
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'evidence-264761', 'evidence-59240']}
instance accuracy = 0.0
evidence precision = 0.4
evidence fscore = 0.5
groundtruth = { 'claim text': 'Global Warming history completely coincides with
the history of artificial satellites and the use of microwave frequencies from
outer space.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-917344', 'evidence-866933', 'evidence-520355', 'evidence-927151',
'evidence-20748']}
predictions = {'claim_text': 'Global Warming history completely coincides with
the history of artificial satellites and the use of microwave frequencies from
outer space.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'the models predicted seven times as much warming
as has been observed', 'claim_label': 'DISPUTED', 'evidences':
['evidence-733847', 'evidence-980959', 'evidence-368241']}
predictions = {'claim_text': 'the models predicted seven times as much warming
as has been observed', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'But each serial adjustment has tended to make the
early years colder, which increases the warming trend.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-138622', 'evidence-584709',
'evidence-1189271', 'evidence-561696', 'evidence-311416']}
predictions = {'claim_text': 'But each serial adjustment has tended to make the
early years colder, which increases the warming trend.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-256566', 'evidence-1159499',
'evidence-857357', 'evidence-1066389', 'evidence-110432']}
instance accuracy = 1.0
evidence recall = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'While members of the media may nod along to such
claims [about changes in weather extremes], the evidence paints a different
story', 'claim label': 'SUPPORTS', 'evidences': ['evidence-817269',
'evidence-246671']}
predictions = {'claim text': 'While members of the media may nod along to such
claims [about changes in weather extremes], the evidence paints a different
story', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Nor is there evidence of an increase in floods
globally.', 'claim_label': 'REFUTES', 'evidences': ['evidence-323541',
'evidence-636631']}
predictions = {'claim text': 'Nor is there evidence of an increase in floods
globally.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'The most recent IPCC report lays out a future if
we limit global heating to 1.5°C instead of the Paris Agreement's 2°C.',
'claim_label': 'DISPUTED', 'evidences': ['evidence-853312', 'evidence-839100',
'evidence-46356', 'evidence-994667']}
predictions = {'claim text': 'The most recent IPCC report lays out a future if
we limit global heating to 1.5°C instead of the Paris Agreement's 2°C.',
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'evidence-839100', 'evidence-1032451']}
instance accuracy = 0.0
evidence recall = 0.25
evidence fscore = 0.28571428571428575
groundtruth = {'claim_text': 'By 2050 there's a scientific consensus that we
reached the tipping point for ice sheets in Greenland and the West Antarctic',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-783884', 'evidence-411817']}
predictions = {'claim_text': 'By 2050 there's a scientific consensus that we
reached the tipping point for ice sheets in Greenland and the West Antarctic',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-411817',
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'evidence-783884', 'evidence-1020001']}
instance accuracy = 0.0
evidence recall = 1.0
evidence fscore = 0.8
groundtruth = {'claim_text': 'when 3 per cent of total annual global emissions
of carbon dioxide are from humans and Australia prod\xaduces 1.3 per cent of
this 3 per cent, then no amount of emissions reductio\xadn here will have any
effect on global climate.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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'evidence-832334']}
predictions = {'claim text': 'when 3 per cent of total annual global emissions
of carbon dioxide are from humans and Australia prod\xaduces 1.3 per cent of
this 3 per cent, then no amount of emissions reductio\xadn here will have any
effect on global climate.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-142343', 'evidence-488727', 'evidence-897948', 'evidence-1119947',
'evidence-584709']}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'Scientists studying Antarctica sea ice warn a rise
in accumulation could spark the next ice age.', 'claim label': 'REFUTES',
'evidences': ['evidence-591257']}
predictions = {'claim text': 'Scientists studying Antarctica sea ice warn a rise
in accumulation could spark the next ice age.', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': ['evidence-591257', 'evidence-728645',
'evidence-1182723', 'evidence-158280', 'evidence-160949']}
instance accuracy = 0.0
evidence recall = 1.0
evidence precision = 0.2
groundtruth = {'claim_text': 'Renew\xadables such as wind turbines are
environmentally disastrous because they pollute a huge land area, slice and dice
birds and bats, kill insects that are bird food, create health problems for
humans who live within kilometres of them, leave toxins around the turbine site
and despoil the landscape.', 'claim_label': 'REFUTES', 'evidences':
['evidence-555861']}
predictions = {'claim_text': 'Renew\xadables such as wind turbines are
environmentally disastrous because they pollute a huge land area, slice and dice
birds and bats, kill insects that are bird food, create health problems for
humans who live within kilometres of them, leave toxins around the turbine site
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and despoil the landscape.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'a study that totally debunks the whole concept of
man-made Global Warming', 'claim_label': 'REFUTES', 'evidences':
['evidence-724010', 'evidence-846906', 'evidence-1007867']}
predictions = {'claim_text': 'a study that totally debunks the whole concept of
man-made Global Warming', 'claim label': 'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': '"Today climate scientists are obsessed with the
level of carbon dioxide in the atmosphere, a very very small part of the overall
picture.', 'claim_label': 'REFUTES', 'evidences': ['evidence-555729']}
predictions = {'claim_text': '"Today climate scientists are obsessed with the
level of carbon dioxide in the atmosphere, a very very small part of the overall
picture.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-100394',
'evidence-57767', 'evidence-1015594', 'evidence-628492', 'evidence-1099844']}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Carbon dioxide is a trace gas."', 'claim_label':
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predictions = {'claim_text': 'Carbon dioxide is a trace gas."', 'claim_label':
'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Protecting and restoring forests would reduce 18%
of emissions by 2030', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
['evidence-890810', 'evidence-328157', 'evidence-347403', 'evidence-594952',
'evidence-609211']}
predictions = {'claim_text': 'Protecting and restoring forests would reduce 18%
of emissions by 2030', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'IPCC report warning last week the world is
"nowhere near on track" to meet its Paris commitments', 'claim label':
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'evidence-1046773']}
predictions = {'claim_text': 'IPCC report warning last week the world is
"nowhere near on track" to meet its Paris commitments', 'claim_label':
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instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'But like most claims regarding global warming, the
real effect is small, probably temporary, and most likely due to natural weather
patterns', 'claim label': 'DISPUTED', 'evidences': ['evidence-896442',
'evidence-504446', 'evidence-128422', 'evidence-479999', 'evidence-1091550']}
predictions = {'claim_text': 'But like most claims regarding global warming, the
real effect is small, probably temporary, and most likely due to natural weather
patterns', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'More than 100 climate models over the past 30
years did not predict what actually happened because it was assumed carbon
dioxide had the pivotal role in driving climate change and that the effects of
clouds, back-radiation and the sun were trivial.', 'claim label':
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'evidence-1057489', 'evidence-100394', 'evidence-1197833']}
predictions = {'claim_text': 'More than 100 climate models over the past 30
years did not predict what actually happened because it was assumed carbon
dioxide had the pivotal role in driving climate change and that the effects of
clouds, back-radiation and the sun were trivial.', 'claim_label':
'NOT ENOUGH INFO', 'evidences': ['evidence-1015594', 'evidence-278454',
'evidence-950065', 'evidence-411911', 'evidence-607448']}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': 'South Australia is winning: it has the most
unreliable grid in the world outside Africa and the most expensive
electricity.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-67732']}
predictions = {'claim text': 'South Australia is winning: it has the most
unreliable grid in the world outside Africa and the most expensive
electricity.', 'claim label': 'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = { 'claim_text': 'The heatwave we now have in Europe is not
something that was expected with just 1C of warming', 'claim_label': 'SUPPORTS',
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'evidence-556258', 'evidence-119750']}
predictions = {'claim text': 'The heatwave we now have in Europe is not
something that was expected with just 1C of warming', 'claim_label':
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instance accuracy = 0.0
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groundtruth = { 'claim text': 'And there is a lot of evidence that climate change
is diminishing biodiversity, which can be seen in these alpine meadows as
well.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-1047048',
'evidence-109104', 'evidence-885423', 'evidence-942611']}
predictions = {'claim_text': 'And there is a lot of evidence that climate change
is diminishing biodiversity, which can be seen in these alpine meadows as
well.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': ''If we do nothing to reduce our greenhouse gas
emissions, the kind of extreme heat we saw this past summer will be the norm
when my young son is a grown man.'', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-960067']}
predictions = {'claim_text': ''If we do nothing to reduce our greenhouse gas
emissions, the kind of extreme heat we saw this past summer will be the norm
when my young son is a grown man.'', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': []}
instance accuracy = 0.0
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evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'That's because as Antarctica's mass shrinks, the
ice sheet's gravitational pull on the ocean relaxes somewhat, and the seas
travel back across the globe to pile up far away - with U.S. coasts being one
prime destination."', 'claim label': 'SUPPORTS', 'evidences':
['evidence-557585']}
predictions = {'claim text': 'That's because as Antarctica's mass shrinks, the
ice sheet's gravitational pull on the ocean relaxes somewhat, and the seas
travel back across the globe to pile up far away - with U.S. coasts being one
prime destination."', 'claim label': 'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The noted oceanographer Walter Munk referred to
sea-level rise as an "enigma"', 'claim_label': 'DISPUTED', 'evidences':
['evidence-584943', 'evidence-965161']}
predictions = {'claim_text': 'The noted oceanographer Walter Munk referred to
sea-level rise as an "enigma"', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'many scientists were surprised when other
researchers subsequently found that ringed and bearded seals (the primary prey
of polar bears) north of the Bering Strait especially thrived with a longer
open-water season, which is particularly conducive to fishing', 'claim_label':
'NOT ENOUGH INFO', 'evidences': ['evidence-1105120', 'evidence-143437',
'evidence-133419', 'evidence-726838', 'evidence-578925']}
predictions = {'claim_text': 'many scientists were surprised when other
researchers subsequently found that ringed and bearded seals (the primary prey
of polar bears) north of the Bering Strait especially thrived with a longer
open-water season, which is particularly conducive to fishing', 'claim label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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evidence recall = 0.0

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groundtruth = {'claim_text': '"Which is to say that these beans will be eaten by
cows, and the cows will convert the beans to meat, and the humans will eat the
meat.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-459277',
'evidence-1079220', 'evidence-368638', 'evidence-1193739', 'evidence-474026']}
predictions = {'claim_text': '"Which is to say that these beans will be eaten by
cows, and the cows will convert the beans to meat, and the humans will eat the
meat.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'A recent study led by Lawrence Livermore National
Laboratory climate scientist Ben Santer found that while the models ran hot, the
'overestimation' was 'partly due to systematic deficiencies in some of the
post-2000 external forcings used in the model simulations.'', 'claim label':
'REFUTES', 'evidences': ['evidence-660755']}
predictions = {'claim text': 'A recent study led by Lawrence Livermore National
Laboratory climate scientist Ben Santer found that while the models ran hot, the
'overestimation' was 'partly due to systematic deficiencies in some of the
post-2000 external forcings used in the model simulations.'', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
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evidence recall = 0.0
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evidence fscore = 0.0
groundtruth = {'claim_text': 'Global human emissions are only 3 per cent of
total annual emissions.', 'claim_label': 'REFUTES', 'evidences':
['evidence-556098', 'evidence-215052']}
predictions = {'claim_text': 'Global human emissions are only 3 per cent of
total annual emissions.', 'claim label': 'NOT ENOUGH INFO', 'evidences':
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instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The science is clear, climate change is making
extreme weather events, including tornadoes, worse.', 'claim_label': 'SUPPORTS',
'evidences': ['evidence-940688', 'evidence-985094', 'evidence-8304',
'evidence-653981', 'evidence-789848']}
predictions = {'claim_text': 'The science is clear, climate change is making
extreme weather events, including tornadoes, worse.', 'claim_label':
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'NOT_ENOUGH_INFO', 'evidences': ['evidence-707408']}
instance accuracy = 0.0
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evidence fscore = 0.0
groundtruth = {'claim_text': '[South Australia] has the most expensive
electricity in the world.', 'claim_label': 'SUPPORTS', 'evidences':
['evidence-67732', 'evidence-572512']}
predictions = {'claim_text': '[South Australia] has the most expensive
electricity in the world.', 'claim label': 'NOT ENOUGH INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'Australia's signed a suicide note [with the Paris
Accord] yet didn't seem to notice that China, India, Indonesia and the US did
not commit to reducing their large carbon dioxide emissions.', 'claim_label':
'DISPUTED', 'evidences': ['evidence-901598', 'evidence-719544',
'evidence-229230']}
predictions = {'claim_text': 'Australia's signed a suicide note [with the Paris
Accord] yet didn't seem to notice that China, India, Indonesia and the US did
not commit to reducing their large carbon dioxide emissions.', 'claim_label':
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instance accuracy = 0.0
evidence precision = 1.0
evidence fscore = 0.5
groundtruth = {'claim_text': 'The grasslands, crops, forests and territorial
waters of Australia absorb more carbon dioxide than Australia emits.',
'claim_label': 'DISPUTED', 'evidences': ['evidence-682087', 'evidence-744771',
'evidence-352796', 'evidence-173055']}
predictions = {'claim_text': 'The grasslands, crops, forests and territorial
waters of Australia absorb more carbon dioxide than Australia emits.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': '[Riebesell] is a world authority on the topic and
has typically communicated cautiously about the effects of acidification.',

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'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-1129386',
'evidence-456747', 'evidence-625922', 'evidence-590068', 'evidence-741718']}
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has typically communicated cautiously about the effects of acidification.',
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The broader term covers changes beyond warmer
temperatures, such as shifting rainfall patterns."', 'claim_label': 'SUPPORTS',
'evidences': ['evidence-456747', 'evidence-496267']}
predictions = {'claim_text': 'The broader term covers changes beyond warmer
temperatures, such as shifting rainfall patterns."', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'In many other cases, though - hurricanes, for
example - the linkage to global warming for particular trends is uncertain or
disputed.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-3489',
'evidence-202201', 'evidence-1038523', 'evidence-1041281', 'evidence-626239']}
predictions = {'claim_text': 'In many other cases, though - hurricanes, for
example - the linkage to global warming for particular trends is uncertain or
disputed.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-1032971']}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'The team of climate scientists notes that in
failing to predict the warming 'hiatus' in the beginning of the 21st century,
the Intergovernmental Panel on Climate Change (IPCC) models overestimated
temperature increases...', 'claim_label': 'DISPUTED', 'evidences':
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predictions = {'claim_text': 'The team of climate scientists notes that in
failing to predict the warming 'hiatus' in the beginning of the 21st century,
the Intergovernmental Panel on Climate Change (IPCC) models overestimated
temperature increases...', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences':
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'evidence-940169']}
instance accuracy = 0.0
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim text': 'In other words, we have, trapped in Arctic permafrost, twice as much carbon as is currently wrecking the atmosphere of the planet, all of it scheduled to be released at a date that keeps getting moved up, partially in the form of a gas that multiplies its warming power 86 times over.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-1173602', 'evidence-769821', 'evidence-94074']} predictions = {'claim text': 'In other words, we have, trapped in Arctic permafrost, twice as much carbon as is currently wrecking the atmosphere of the planet, all of it scheduled to be released at a date that keeps getting moved up, partially in the form of a gas that multiplies its warming power 86 times over.', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-310928', 'evidence-1036445', 'evidence-1099844', 'evidence-779263']} instance accuracy = 0.0 evidence recall = 0.0evidence precision = 0.0evidence fscore = 0.0

groundtruth = {'claim_text': 'as the pathbreaking work by Rosamond Naylor and David Battisti has shown, the tropics are already too hot to efficiently grow grain, and those places where grain is produced today are already at optimal growing temperature - which means even a small warming will push them down the slope of declining productivity.', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-1166728', 'evidence-578305']}
predictions = {'claim_text': 'as the pathbreaking work by Rosamond Naylor and

David Battisti has shown, the tropics are already too hot to efficiently grow grain, and those places where grain is produced today are already at optimal growing temperature - which means even a small warming will push them down the

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slope of declining productivity.', 'claim_label': 'NOT_ENOUGH_INFO',
'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
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evidence fscore = 0.0
groundtruth = {'claim_text': '"As it happens, Zika may also be a good model of
the second worrying effect - disease mutation.', 'claim_label':
'NOT ENOUGH INFO', 'evidences': ['evidence-422399', 'evidence-702226',
'evidence-286834', 'evidence-472751', 'evidence-641043']}
predictions = {'claim_text': '"As it happens, Zika may also be a good model of
the second worrying effect - disease mutation.', 'claim label':
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instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim text': 'According to the WHO, exposure to particulate
matter increases the risk of acute lower respiratory infection, chronic
obstructive pulmonary disease, heart disease, stroke and lung cancer.',
'claim_label': 'SUPPORTS', 'evidences': ['evidence-534239', 'evidence-1171424',
'evidence-416776']}
predictions = {'claim_text': 'According to the WHO, exposure to particulate
matter increases the risk of acute lower respiratory infection, chronic
obstructive pulmonary disease, heart disease, stroke and lung cancer.',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-1171424']}
instance accuracy = 0.0
evidence precision = 1.0
evidence fscore = 0.5
groundtruth = {'claim text': 'The report [...] found that the United States was
one of the most pollution-free nations in the world."', 'claim_label':
'REFUTES', 'evidences': ['evidence-783786']}
predictions = {'claim_text': 'The report [...] found that the United States was
one of the most pollution-free nations in the world."', 'claim_label':
'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
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groundtruth = {'claim_text': 'The gas builds up in the soil, forming mounds
called 'pingoes.'', 'claim_label': 'SUPPORTS', 'evidences': ['evidence-350072']}
predictions = {'claim_text': 'The gas builds up in the soil, forming mounds
called 'pingoes.'', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 0.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'The unlikely scenarios are now, all of a sudden,
becoming more probable than they once were thought to be,' says Sweet."',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': ['evidence-305696',
'evidence-444836', 'evidence-108865', 'evidence-44133', 'evidence-459314']}
predictions = {'claim_text': 'The unlikely scenarios are now, all of a sudden,
becoming more probable than they once were thought to be,' says Sweet."',
'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
instance accuracy = 1.0
evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
groundtruth = {'claim_text': 'While there has been a mean rise of a little more
than 3mm per year worldwide since the 1990s, in the last decade, the NOAA
Virginia Key tide gauge just south of Miami Beach has measured a 9mm rise
annually."', 'claim label': 'SUPPORTS', 'evidences': ['evidence-946255',
'evidence-1049692']}
predictions = {'claim_text': 'While there has been a mean rise of a little more
than 3mm per year worldwide since the 1990s, in the last decade, the NOAA
Virginia Key tide gauge just south of Miami Beach has measured a 9mm rise
annually."', 'claim_label': 'NOT_ENOUGH_INFO', 'evidences': []}
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evidence recall = 0.0
evidence precision = 0.0
evidence fscore = 0.0
Evidence Retrieval F-score (F)
                                  = 0.0673778602350031
Claim Classification Accuracy (A) = 0.2662337662337662
Harmonic Mean of F and A
                                = 0.10753978619397102
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