**KIBANA QUERIES**

**FOR FLAT INDEX:**

GET trustpilot\_reviews\_combined\_flat/\_count

To check that the “Review Stars” attribute imported integer correctly:

GET trustpilot\_reviews\_combined\_flat/\_search

{

"size": 10,

"\_source": ["Review Stars"]

}

Same query but displaying the Company and review\_id attributes also:

GET trustpilot\_reviews\_combined\_flat/\_search

{

"size": 10,

"\_source": ["Company", "review\_id", "Review Stars"]

}

Same query adding the following additional attributes: “Review Length”, “review\_id”, “VADER Sentiment Score”, “Company VADER Sentiment Score”, “TextBlob Sentiment Score” “Company TextBlob Sentiment Score”, “BERT Sentiment Score” “Company BERT Sentiment Score”:

GET trustpilot\_reviews\_combined\_flat/\_search

{

"size": 10,

"\_source": [

"Company",

"review\_id",

"Review Stars",

"Review Length",

"VADER Sentiment Score",

"Company VADER Sentiment Score",

"TextBlob Sentiment Score",

"Company TextBlob Sentiment Score",

"BERT Sentiment Score",

"Company BERT Sentiment Score"

]

}

**Retrieve all reviews for a company, e.g. “PNC Bank” adding source filtering to get specific fields (e.g., show only review-relevant info):**

GET trustpilot\_reviews\_combined\_flat/\_search

{

"size": 10000,

"\_source": [

"Combined\_Score",

"Company BERT Sentiment Score",

"Company Response",

"review\_id",

"Review Stars",

"Review Comment",

"VADER Sentiment Score",

"TextBlob Sentiment Score",

"BERT Sentiment Score",

"Review Length"

],

"query": {

"match": {

"Company": "PNC Bank"

}

}

}

**FOR NESTED INDEX:**

This gives the Companies documents:

GET trustpilot\_reviews\_combined\_nested/\_count

GET trustpilot\_reviews\_combined\_nested/\_count

and this gives the companies documents + nested reviews under the company:

GET trustpilot\_reviews\_combined\_nested/\_search

{

"size": 0,

"aggs": {

"total\_reviews": {

"nested": {

"path": "Reviews"

}

}

}

}

To check that the “Review Stars” attribute imported integer correctly:

GET trustpilot\_reviews\_combined\_nested/\_search

{

"size": 10,

"\_source": ["Reviews.Review Stars"]

}

Same query but displaying the Company and review\_id attributes also:

GET trustpilot\_reviews\_combined\_nested/\_search

{

"size": 10,

"\_source": ["Company", "Reviews.review\_id", "Reviews.Review Stars"],

"query": {

"nested": {

"path": "Reviews",

"query": {

"match\_all": {}

}

}

}

}

Same query adding the following additional attributes: “Review Length”, “review\_id”, “VADER Sentiment Score”, “Company VADER Sentiment Score”, “TextBlob Sentiment Score” “Company TextBlob Sentiment Score”, “BERT Sentiment Score” “Company BERT Sentiment Score”:

GET trustpilot\_reviews\_combined\_nested/\_search

{

"size": 10,

"\_source": [

"Company",

"Reviews.review\_id",

"Reviews.Review Stars",

"Reviews.Review Length",

"Reviews.VADER Sentiment Score",

"Company VADER Sentiment Score",

"Reviews.TextBlob Sentiment Score",

"Company TextBlob Sentiment Score",

"Reviews.BERT Sentiment Score",

"Company BERT Sentiment Score"

],

"query": {

"nested": {

"path": "Reviews",

"query": {

"match\_all": {}

}

}

}

}

**Retrieve all reviews for a company, e.g. “PNC Bank” also adding source filtering to get specific fields (e.g., show only review-relevant info):**

GET trustpilot\_reviews\_combined\_nested/\_search

{

"query": {

"bool": {

"must": [

{

"term": {

"Company": "PNC Bank"

}

},

{

"nested": {

"path": "Reviews",

"query": {

"match\_all": {}

},

"inner\_hits": {

"size": 5,

"\_source": [

"Reviews.review\_id",

"Reviews.Review Stars",

"Reviews.Review Comment",

"Reviews.VADER Sentiment Score",

"Reviews.TextBlob Sentiment Score",

"Reviews.BERT Sentiment Score",

"Reviews.Review Length"

]

}

}

}

]

}

}

}