

kwt

January 31, 2025

```
[2]: import pandas as pd
import ast

# Load the dataset
kwt = pd.read_csv('kwt_df.csv')
```

```
[3]: # checking the first few rows
kwt.head()
```

```
[3]:
```

	id \
0	92ab0637-e089-4513-b3b0-b4f7e6dcd788
1	68d2609c-b21d-421c-9cf5-b083abdb0703
2	9dfc57bd-4718-4b66-9315-2beeb930a46f
3	9c3ce49a-cbeb-46c3-8e1b-7cb881de1c79
4	eb3bdd59-07c9-42bb-a882-749c538113b7

	location \
0	{'latitude': -1.493029, 'longitude': 35.58333}
1	{'latitude': -1.13321534764331, 'longitude': 3...
2	{'latitude': -1.05007, 'longitude': 35.193156}
3	{'latitude': -1.530613, 'longitude': 35.543826}
4	{'latitude': -1.530613, 'longitude': 35.543829}

	time	end_time	message	provenance	event_type \
0	2024-02-05T19:42:00+03:00	NaN	NaN	NaN	hwc_rep
1	2024-02-07T11:00:00+03:00	NaN	NaN	NaN	hwc_rep
2	2024-02-12T02:00:00+03:00	NaN	NaN	NaN	hwc_rep
3	2024-02-12T06:14:00+03:00	NaN	NaN	NaN	hwc_rep
4	2024-02-12T06:14:00+03:00	NaN	NaN	NaN	hwc_rep

	priority	priority_label	attributes	...	groupby_col	segment_start \
0	300.0	Red	{}	...	NaN	NaN
1	300.0	Red	{}	...	NaN	NaN
2	300.0	Red	{}	...	NaN	NaN
3	300.0	Red	{}	...	NaN	NaN
4	300.0	Red	{}	...	NaN	NaN

	segment_end	timespan_seconds	dist_meters	speed_kmhr	heading	junk_status \
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0	NaN	NaN	NaN	NaN	NaN	NaN
1	NaN	NaN	NaN	NaN	NaN	NaN
2	NaN	NaN	NaN	NaN	NaN	NaN
3	NaN	NaN	NaN	NaN	NaN	NaN
4	NaN	NaN	NaN	NaN	NaN	NaN

	extra__hex	extra__name
0	NaN	NaN
1	NaN	NaN
2	NaN	NaN
3	NaN	NaN
4	NaN	NaN

[5 rows x 55 columns]

```
[4]: #checking the last few rows
kwt.tail()
```

```
[4]:      id location time  end_time  message  provenance event_type  priority \
10189  NaN      NaN  NaN      NaN      NaN      NaN      NaN      NaN
10190  NaN      NaN  NaN      NaN      NaN      NaN      NaN      NaN
10191  NaN      NaN  NaN      NaN      NaN      NaN      NaN      NaN
10192  NaN      NaN  NaN      NaN      NaN      NaN      NaN      NaN
10193  NaN      NaN  NaN      NaN      NaN      NaN      NaN      NaN
```

	priority_label	attributes	...	groupby_col	\
10189		NaN	NaN	...	846a0edb-88a9-4646-a7ab-83fe0bdfc554
10190		NaN	NaN	...	23a06ce4-ae0d-41fe-8151-697442ee9f73
10191		NaN	NaN	...	f564b4e5-f3b1-4f01-becf-f48f366c5965
10192		NaN	NaN	...	c4ac27d7-8402-453e-acb4-d4ceb1d29de8
10193		NaN	NaN	...	846a0edb-88a9-4646-a7ab-83fe0bdfc554

	segment_start	segment_end	timespan_seconds	\
10189	2024-03-14 20:00:16+00:00	2024-03-14 21:00:13+00:00	3597.0	
10190	2024-03-14 21:00:15+00:00	2024-03-14 22:00:12+00:00	3597.0	
10191	2024-03-14 22:00:15+00:00	2024-03-14 23:00:12+00:00	3597.0	
10192	2024-03-14 22:00:37+00:00	2024-03-14 23:00:10+00:00	3573.0	
10193	2024-03-14 22:00:42+00:00	2024-03-14 23:00:11+00:00	3569.0	

	dist_meters	speed_kmhr	heading	junk_status	extra__hex	\
10189	8.176088	0.008183	164.952978	False	#050505	
10190	9.715274	0.009723	217.720423	False	#07F028	
10191	138.644149	0.138760	171.015963	False	#7D0FF2	
10192	809.731809	0.815851	10.604835	False	#4629E6	
10193	0.859215	0.000867	81.175170	False	#050505	

	extra__name
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10189    98659_Samara
10190    42559_Komeyian
10191    42557_Namunyak
10192    98655_Nashipai
10193    98659_Samara

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```
[5 rows x 55 columns]
```

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[5]: kwt.columns
```

```

[5]: Index(['id', 'location', 'time', 'end_time', 'message', 'provenance',
          'event_type', 'priority', 'priority_label', 'attributes', 'comment',
          'title', 'state', 'sort_at', 'updated_at', 'created_at', 'icon_id',
          'serial_number', 'event_category', 'url', 'image_url', 'geojson',
          'is_collection', 'event_details__hwcrep_species',
          'event_details__hwcrep_livestocktypes',
          'event_details__hwcrep_livestockInjuredKilled',
          'event_details__hwcrep_humandeath', 'event_details__hwcrep_humaninjury',
          'event_details__hwcrep_cropldamaged', 'reported_by__username',
          'reported_by__first_name', 'reported_by__last_name', 'reported_by__id',
          'reported_by__content_type', 'reported_by__name',
          'reported_by__subject_type', 'reported_by__subject_subtype',
          'reported_by__common_name', 'reported_by__created_at',
          'reported_by__updated_at', 'reported_by__is_active',
          'reported_by__tracks_available', 'reported_by__image_url',
          'reported_by__user__id', 'geometry', 'groupby_col', 'segment_start',
          'segment_end', 'timespan_seconds', 'dist_meters', 'speed_kmhr',
          'heading', 'junk_status', 'extra__hex', 'extra__name'],
          dtype='object')

```

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[ ]:
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