

Частина 1. Building an End-to-End Streaming Pipeline

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
matvienko@DESKTOP-T25J655:~/final_project$ python3 02_process_streaming.py

| default | 11 | 0 | 0 | 0 | 11 | 0 |
:: retrieving :: org.apache.spark/spark-submit-parent-7cd3f6d-490a-4b37-bb27-3ef78a903d3
  confs: [default]
    artifacts copied, 11 already retrieved (0kb/11ms)
25/11/30 16:02:04 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Using Spark's default log4j profile: org/apache/spark/log4j2-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
>>> Reading athlete_bio...
>>> Reading athlete_event_results and writing to Kafka...
>>> Data written to Kafka successfully.
>>> Starting Stream...
25/11/30 16:03:02 WARN ResolveWriteToStream: spark.sql.adaptive.enabled is not supported in streaming DataFrames/Datasets and will be disabled.
Batch 0 processing... Rows: 143
Batch 1 processing... Rows: 271
Batch 2 processing... Rows: 355
Batch 3 processing... Rows: 428
Batch 4 processing... Rows: 503
Batch 5 processing... Rows: 575
Batch 6 processing... Rows: 661
Batch 7 processing... Rows: 741
Batch 8 processing... Rows: 817
Batch 9 processing... Rows: 903
Batch 10 processing... Rows: 975
Batch 11 processing... Rows: 1065
Batch 12 processing... Rows: 1123
Batch 13 processing... Rows: 1174
Batch 14 processing... Rows: 1246
Batch 15 processing... Rows: 1316
```

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
[sailing] [nan] [Male] [TPE] [173.0] [72.0] [2025-11-30 16:10:01.017]
[sailing] [nan] [Female] [CMR] [181.0] [74.66666666666667] [2025-11-30 16:10:01.017]
[sailing] [nan] [Female] [ARJ] [169.5] [63.5] [2025-11-30 16:10:01.017]
[equestrianDressage] [nan] [Male] [CMR] [175.33333333333334] [70.33333333333333] [2025-11-30 16:10:01.017]
[fencing] [nan] [Male] [CUB] [174.31578947368422] [68.98847368421852] [2025-11-30 16:10:01.017]
[fencing] [nan] [Male] [MEX] [177.73178731787316] [70.75689756897569] [2025-11-30 16:10:01.017]
[athletics] [nan] [Female] [CZE] [175.25] [65.88333333333333] [2025-11-30 16:10:01.017]
[boxing] [nan] [Male] [AND] [185.0] [80.0] [2025-11-30 16:10:01.017]
[basketball] [nan] [Male] [CAF] [182.50333333333334] [84.75] [2025-11-30 16:10:01.017]
[boxing] [nan] [Male] [ALG] [174.23876923876923] [65.32387692387693] [2025-11-30 16:10:01.017]
[cyclingRoad] [nan] [Male] [ALB] [183.0] [82.0] [2025-11-30 16:10:01.017]
[crossCountrySkiing] [nan] [Male] [CMR] [198.0] [54.0] [2025-11-30 16:10:01.017]
[equestrianDressage] [nan] [Male] [AUT] [179.25] [73.875] [2025-11-30 16:10:01.017]
[cyclingRoad] [nan] [Male] [CMR] [173.25] [67.8] [2025-11-30 16:10:01.017]
[athletics] [Silver] [Female] [CRO] [193.0] [71.0] [2025-11-30 16:10:01.017]
[judo] [Gold] [Male] [GEO] [184.0] [90.0] [2025-11-30 16:10:01.017]
[skiJumping] [nan] [Male] [BLR] [174.16666666666666] [58.166666666666664] [2025-11-30 16:10:01.017]
[judo] [nan] [Male] [BLZ] [168.5] [78.5] [2025-11-30 16:10:01.017]
[equestrianDressage] [nan] [Male] [TCH] [174.0] [72.0] [2025-11-30 16:10:01.017]
[cyclingTrack] [nan] [Male] [CZE] [178.38895238895238] [80.61984761984762] [2025-11-30 16:10:01.017]
only showing top 20 rows
Batch: 35
[sport] [medal] [sex] [country_noc] [avg_height] [avg_weight] [timestamp]
wrestling [nan] [Male] [AZE] [173.7986976744186] [77.97674418694952] [2025-11-30 16:11:22.87]
[cyclingRoad] [nan] [Male] [BER] [179.66666666666666] [72.66666666666667] [2025-11-30 16:11:22.87]
[cyclingRoad] [nan] [Female] [TPE] [161.5] [54.5] [2025-11-30 16:11:22.87]
```

DBeaver 25.2.5 - olympic_dataset - Script-13

File Edit Navigate Search SQL Editor Database Window Help

Auto SQL Run Commit Rollback

Database Navigator

- dag_pickle
- dag_run
- dag_run_note
- dag_schedule_dataset_reference
- dag_tag
- dag_xaming
- diagn_dataset_event
- dataset
- dataset_dag_run_quote
- dataset_event
- demo_fp_averaged_results
- dmytro_jez_hu7
- enriched_athlete_avg
- enriched_athlete_stats
- enriched_results
- esd_athlete_enriched
- eugene_medal_counts
- fefelov_athlete_enriched_avg
- fp_matvienko_enriched_athlete_avg
- games
- games_medal_tally
- ginger_athlete_enriched_avg
- greenmoon_end_enriched_athlete_avg
- gregory_enriched_avg
- gregory_medal_counts
- hw_dag_results
- import_error
- olympic_athlete_event_results_summary
- jane_athlete_enriched_avg
- jib
- kidima_dz_fp_results
- kachurovskiy_enriched_athlete_avg
- kaplan_m_athlete_enriched_avg
- kun_statistics
- katerina_v_olympic_medals
- katerina_medals
- kilans_aggregated_results
- kilans_enriched_athlete_avg
- kostylev_seshi
- krasnov_medal_counts
- kravchenko_seshi_medal_counts
- lecture_11
- ludmila_medal_stats
- log
- log_template
- makiym_ityitskiy_hu7
- marprosha_medal_counts
- mayma_kindine_athlete_stats
- mayma_kindine_medal_count

SELECT * FROM olympic_dataset.fp_matvienko_enriched_athlete_avg ORDER BY timestamp DESC LIMIT 20

	sport	medal	sex	country_noc	avg_height	avg_weight	timestamp
1	Canoesprint	nan	Male	CZE	184.433333333	82.6	2025-11-30 16:16:00
2	Fencing	nan	Female	FIN	167	6.465	2025-11-30 16:16:00
3	Athletics	nan	Male	CAF	181.8125	72.4375	2025-11-30 16:16:00
4	Athletics	nan	Male	BEN	179.7820080957	74.1304347826	2025-11-30 16:16:00
5	CyclingMountainBik	nan	Female	CYP	149	45	2025-11-30 16:16:00
6	Judo	Bronze	Female	ARG	150	48	2025-11-30 16:16:00
7	CyclingRoad	nan	Male	BAR	173.7142857143	69.7142857143	2025-11-30 16:16:00
8	Weightlifting	nan	Female	COK	165	101	2025-11-30 16:16:00
9	CyclingRoad	nan	Female	TPE	161.5	54.3	2025-11-30 16:16:00
10	Sailing	nan	Female	BER	168.1428571429	64.1428571429	2025-11-30 16:16:00
11	CyclingRoad	nan	Male	BER	179.6666666667	72.6666666667	2025-11-30 16:16:00
12	Fencing	nan	Female	BUL	167	61.5	2025-11-30 16:16:00
13	Sailing	nan	Male	DOM	189	82	2025-11-30 16:16:00
14	Taekwondo	nan	Male	GAB	166	77	2025-11-30 16:16:00
15	Judo	nan	Male	ALB	175	81	2025-11-30 16:16:00
16	Judo	nan	Male	COL	178	83.5	2025-11-30 16:16:00
17	Rowing	nan	Male	HON	176	73	2025-11-30 16:16:00
18	Wrestling	Bronze	Male	AZE	176.7777777778	87.2222222222	2025-11-30 16:16:00
19	EquestrianEventing	nan	Male	RSA	178	73	2025-11-30 16:16:00
20	EquestrianJumping	Bronze	Male	KSA	175	57	2025-11-30 16:16:00

200 rows fetched - 0.1s (0.0s fetch), on 2025-11-30 at 16:16:18

CET en Writable Smart Insert 1:100.99 Sel 0:0

[illegible][illegible]

[illegible]