



# EFFICIENCY INDICATORS

## MEDORO PROJECT 7

A plant-wide exploratory analysis of setup and production times, aiming to identify efficiency gaps, reduce downtime, and optimize performance.

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**Setup and Production Analysis Across All Machines - 2025**

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**Marcelo Fabián López Castro**

**Data Analyst**

# Tabla de Eventos para un determinado ID

WEDORO

Portada

Eventos

KPIs

Eficiencia

Renglón

ID

All

Fecha

☐ 2025-01-02 06:12

☐ 2025-01-02 07:00

☐ 2025-01-02 07:05

☐ 2025-01-02 07:06

☐ 2025-01-02 07:36

Fecha Agru...

☐ 2025-01-02

☐ 2025-01-03

☐ 2025-01-06

☐ 2025-01-07

☐ 2025-01-08

Renglón	ID	saccod1	#Sec	#Flag	Inicio	Fin	Preparación	Producción	Parada	Mantenimiento	Buenos	Malos
201	12987	385	1	0	2025-02-17 23:15	2025-02-17 23:15	0.00	0.00	0.00	0.00	0	0
201	12987	385	2	1	2025-02-17 23:15	2025-02-18 00:00	0.74	0.00	0.00	0.00	0	1
201	12987	385	3	0	2025-02-18 00:00	2025-02-18 01:15	1.26	0.00	0.00	0.00	0	28
201	12987	385	4	0	2025-02-18 01:15	2025-02-18 01:15	0.00	0.00	0.00	0.00	0	0
201	12987	385	5	0	2025-02-18 01:15	2025-02-18 01:15	0.00	0.00	0.00	0.00	10	0
201	12987	385	6	0	2025-02-18 01:15	2025-02-18 01:15	0.00	0.00	0.00	0.00	0	0
201	12987	385	7	0	2025-02-18 01:15	2025-02-18 01:16	0.00	0.01	0.00	0.00	20	0
201	12987	385	8	0	2025-02-18 01:16	2025-02-18 01:16	0.00	0.00	0.01	0.00	0	0
201	12987	385	9	0	2025-02-18 01:16	2025-02-18 01:25	0.00	0.14	0.00	0.00	569	0
201	12987	385	10	0	2025-02-18 01:25	2025-02-18 01:27	0.00	0.00	0.04	0.00	0	0
201	12987	385	11	0	2025-02-18 01:27	2025-02-18 01:32	0.00	0.08	0.00	0.00	309	0
201	12987	385	12	0	2025-02-18 01:32	2025-02-18 01:34	0.00	0.00	0.03	0.00	0	0
201	12987	385	13	0	2025-02-18 01:34	2025-02-18 01:34	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	1	0	2025-01-10 02:00	2025-01-10 02:00	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	2	1	2025-01-10 02:00	2025-01-10 04:03	2.05	0.00	0.00	0.00	0	121
201	14292	66/3	3	0	2025-01-10 04:03	2025-01-10 04:03	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	4	0	2025-01-10 04:03	2025-01-10 04:30	0.00	0.46	0.00	0.00	1728	0
201	14292	66/3	5	0	2025-01-10 04:30	2025-01-10 04:31	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	6	0	2025-01-10 04:31	2025-01-10 04:46	0.00	0.25	0.00	0.00	949	0
201	14292	66/3	7	0	2025-01-10 04:46	2025-01-10 04:50	0.00	0.00	0.07	0.00	0	0
201	14292	66/3	8	0	2025-01-10 04:50	2025-01-10 04:53	0.00	0.05	0.00	0.00	200	0
201	14292	66/3	9	0	2025-01-10 04:53	2025-01-10 04:53	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	10	0	2025-01-10 04:53	2025-01-10 04:53	0.00	0.00	0.00	0.00	2	0
201	14292	66/3	11	0	2025-01-10 04:53	2025-01-10 04:54	0.00	0.00	0.00	0.00	4	0
201	14292	66/3	12	0	2025-01-10 04:54	2025-01-10 04:54	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	13	0	2025-01-10 04:54	2025-01-10 04:54	0.00	0.00	0.00	0.00	4	0
201	14292	66/3	14	0	2025-01-10 04:54	2025-01-10 04:54	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	15	0	2025-01-10 04:54	2025-01-10 04:54	0.00	0.00	0.00	0.00	6	0
201	14292	66/3	16	0	2025-01-10 04:54	2025-01-10 04:55	0.00	0.00	0.01	0.00	0	0
201	14292	66/3	17	0	2025-01-10 04:55	2025-01-10 04:55	0.00	0.00	0.00	0.00	0	0
201	14292	66/3	18	0	2025-01-10 04:55	2025-01-10 04:55	0.00	0.00	0.00	0.00	4	0
201	14292	66/3	19	0	2025-01-10 04:55	2025-01-10 05:09	0.00	0.24	0.00	0.00	886	0
201	14292	66/3	20	0	2025-01-10 05:09	2025-01-10 05:10	0.00	0.00	0.01	0.00	0	0
Total							871.28	888.93	486.27	12.87	3243812	88586

# Tabla de Eventos para 2 filtros de ID

MEDORO

Portada

Eventos

KPIs

Eficiencia

Renglón

ID

Fecha

☐ 2025-01-10 21:13

☐ 2025-01-10 21:39

☐ 2025-01-10 23:34

☐ 2025-01-10 23:35

☐ 2025-01-10 23:36

☐ 2025-01-10 23:40

Fecha Agru...

☐ 2025-01-10

☐ 2025-01-11

☐ 2025-01-13

☐ 2025-01-18

☐ 2025-01-20

Renglón	ID	saccod1	#Sec	#Flag	Inicio	Fin	Preparación	Producción	Parada	Mantenimiento	Buenos	Malos
201	14620	481	1	0	2025-01-10 21:13	2025-01-10 21:39	0.00	0.00	0.42	0.00	0	0
201	14620	481	2	1	2025-01-10 21:39	2025-01-10 23:34	1.92	0.00	0.00	0.00	0	24
201	14620	481	3	0	2025-01-10 23:34	2025-01-10 23:34	0.00	0.00	0.00	0.00	0	0
201	14620	481	4	0	2025-01-10 23:34	2025-01-10 23:34	0.00	0.01	0.00	0.00	20	0
201	14620	481	5	0	2025-01-10 23:34	2025-01-10 23:35	0.00	0.01	0.00	0.00	35	0
201	14620	481	6	0	2025-01-10 23:35	2025-01-10 23:36	0.00	0.00	0.01	0.00	0	0
201	14620	481	7	0	2025-01-10 23:36	2025-01-10 23:36	0.00	0.00	0.00	0.00	0	0
201	14620	481	8	0	2025-01-10 23:36	2025-01-10 23:48	0.00	0.19	0.00	0.00	526	0
201	14620	481	9	0	2025-01-10 23:48	2025-01-10 23:48	0.00	0.00	0.00	0.00	0	0
201	14620	481	10	0	2025-01-10 23:48	2025-01-10 23:48	0.00	0.00	0.00	0.00	2	0
201	14620	481	11	0	2025-01-10 23:48	2025-01-10 23:48	0.00	0.00	0.00	0.00	0	0
201	14620	481	12	0	2025-01-10 23:48	2025-01-10 23:48	0.00	0.00	0.00	0.00	3	0
201	14620	481	13	0	2025-01-10 23:48	2025-01-10 23:48	0.00	0.00	0.00	0.00	0	0
201	14620	481	14	0	2025-01-10 23:48	2025-01-10 23:48	0.00	0.00	0.00	0.00	3	0
201	14620	481	15	0	2025-01-10 23:49	2025-01-10 23:49	0.00	0.00	0.00	0.00	4	0
201	14620	481	16	0	2025-01-10 23:49	2025-01-10 23:49	0.00	0.00	0.00	0.00	0	0
201	14620	481	17	0	2025-01-10 23:49	2025-01-10 23:49	0.00	0.00	0.00	0.00	0	0
201	14620	481	18	0	2025-01-10 23:49	2025-01-10 23:51	0.00	0.04	0.00	0.00	96	0
201	14620	481	19	0	2025-01-10 23:51	2025-01-10 23:59	0.00	0.00	0.13	0.00	0	0
201	14620	481	20	0	2025-01-10 23:59	2025-01-11 00:00	0.00	0.00	0.00	0.00	0	0
201	14620	481	21	0	2025-01-11 00:00	2025-01-11 00:00	0.00	0.00	0.00	0.00	0	0
201	14620	481	22	0	2025-01-11 00:00	2025-01-11 00:10	0.00	0.17	0.00	0.00	477	0
201	14620	481	23	0	2025-01-11 00:10	2025-01-11 00:10	0.00	0.00	0.00	0.00	0	0
201	14620	481	24	0	2025-01-11 00:10	2025-01-11 00:10	0.00	0.00	0.00	0.00	2	0
201	14620	481	25	0	2025-01-11 00:10	2025-01-11 00:10	0.00	0.00	0.00	0.00	4	0
201	14620	481	26	0	2025-01-11 00:11	2025-01-11 00:16	0.00	0.08	0.00	0.00	226	0
201	14620	481	27	0	2025-01-11 00:16	2025-01-11 00:22	0.00	0.00	0.10	0.00	0	0
201	14620	481	28	0	2025-01-11 00:22	2025-01-11 00:29	0.00	0.12	0.00	0.00	345	0
201	14620	481	29	0	2025-01-11 00:29	2025-01-11 00:29	0.00	0.00	0.00	0.00	0	0
201	14620	481	30	0	2025-01-11 00:29	2025-01-11 00:29	0.00	0.00	0.00	0.00	2	0
201	14620	481	31	0	2025-01-11 00:29	2025-01-11 00:30	0.00	0.00	0.00	0.00	4	0
201	14620	481	32	0	2025-01-11 00:30	2025-01-11 00:30	0.00	0.00	0.00	0.00	4	0
201	14620	481	33	0	2025-01-11 00:30	2025-01-11 00:30	0.00	0.00	0.00	0.00	0	0
Total							3.46	12.20	12.44	0.00	35491	56

# Distribución de Tiempos para Ordenes de un mismo ID

REDORO

Portada

Eventos

KPIs

Eficiencia

Renglón



ID



All



Fecha

☐ 2025-01-02 06:12

☐ 2025-01-02 07:00

☐ 2025-01-02 07:05

☐ 2025-01-02 07:06

☐ 2025-01-02 07:36

☐ 2025-01-02 07:37

Fecha Agru...



☐ 2025-01-02

☐ 2025-01-03

☐ 2025-01-06

☐ 2025-01-07

☐ 2025-01-08

☐ 2025-01-09

Preparación

871.28

Producción

888.93

Parada

486.27

Mantenimiento

12.87

Buenos

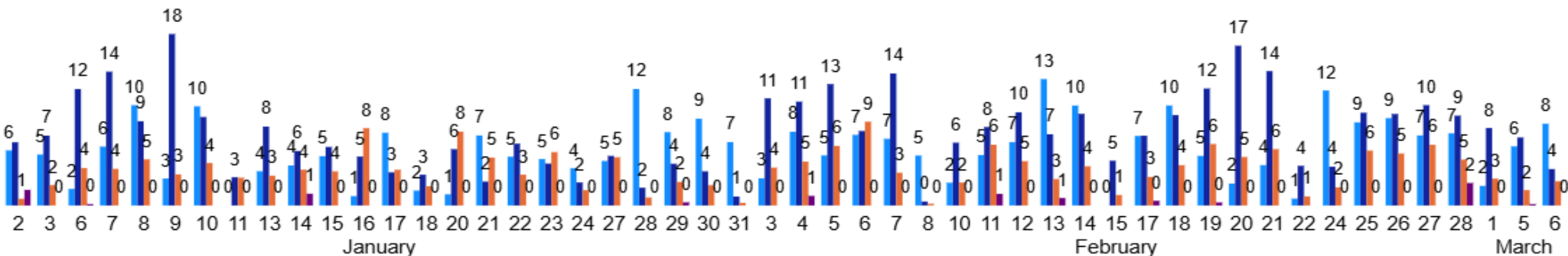
3243...

Malos

88586

## Horas por Estado

● Preparación ● Producción ● Parada ● Mantenimiento



2025

# Distribución de Tiempos de un ID (doble filtro)

IEDORO

Portada

Eventos

KPIs

Eficiencia

Renglón

ID

Fecha

☐ 2025-01-10 21:13

☐ 2025-01-10 21:39

☐ 2025-01-10 23:34

☐ 2025-01-10 23:35

☐ 2025-01-10 23:36

☐ 2025-01-10 23:37

Fecha Agru...

☐ 2025-01-10

☐ 2025-01-11

☐ 2025-01-13

☐ 2025-01-18

☐ 2025-01-20

Preparación

3.46

Producción

12.20

Parada

12.44

Mantenimiento

0.00

Buenos

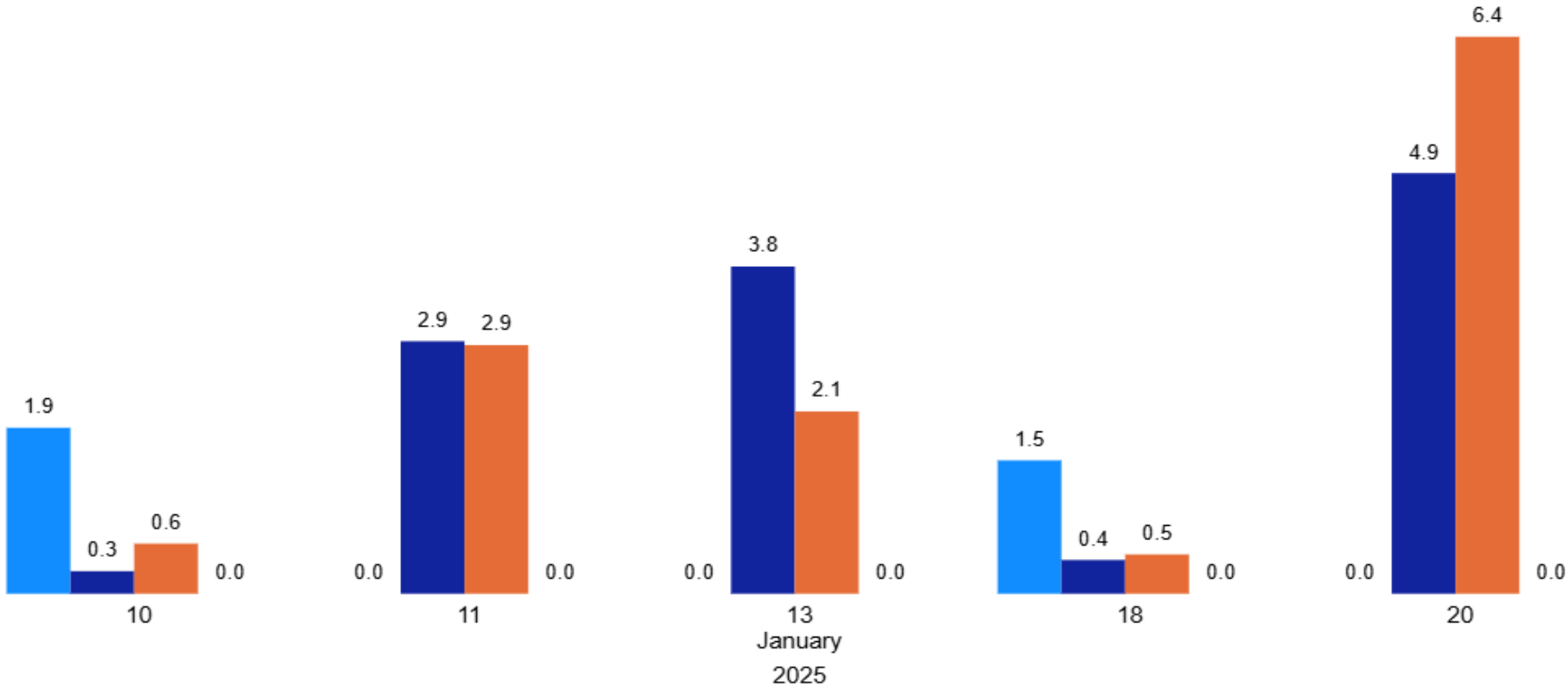
35491

Malos

56

## Horas por Estado

● Preparación ● Producción ● Parada ● Mantenimiento





# Semáforo Eficiencia y Scatter Plot General

REDORO

Portada

Eventos

KPIs

Eficiencia

Renglón

All

Preparación

3.48K

Producción

13.17K

% Preparación

26.40%

Buenos/Malos

209.31

Buenos/Hora

11,431.76

% Malos

0.00

ID

All

Fecha

☐ 2025-01-02 06:00

☐ 2025-01-02 06:01

☐ 2025-01-02 06:02

☐ 2025-01-02 06:04

☐ 2025-01-02 06:05

☐ 2025-01-02 06:06

Fecha Agrupada

☐ 2025-01-02

☐ 2025-01-03

☐ 2025-01-04

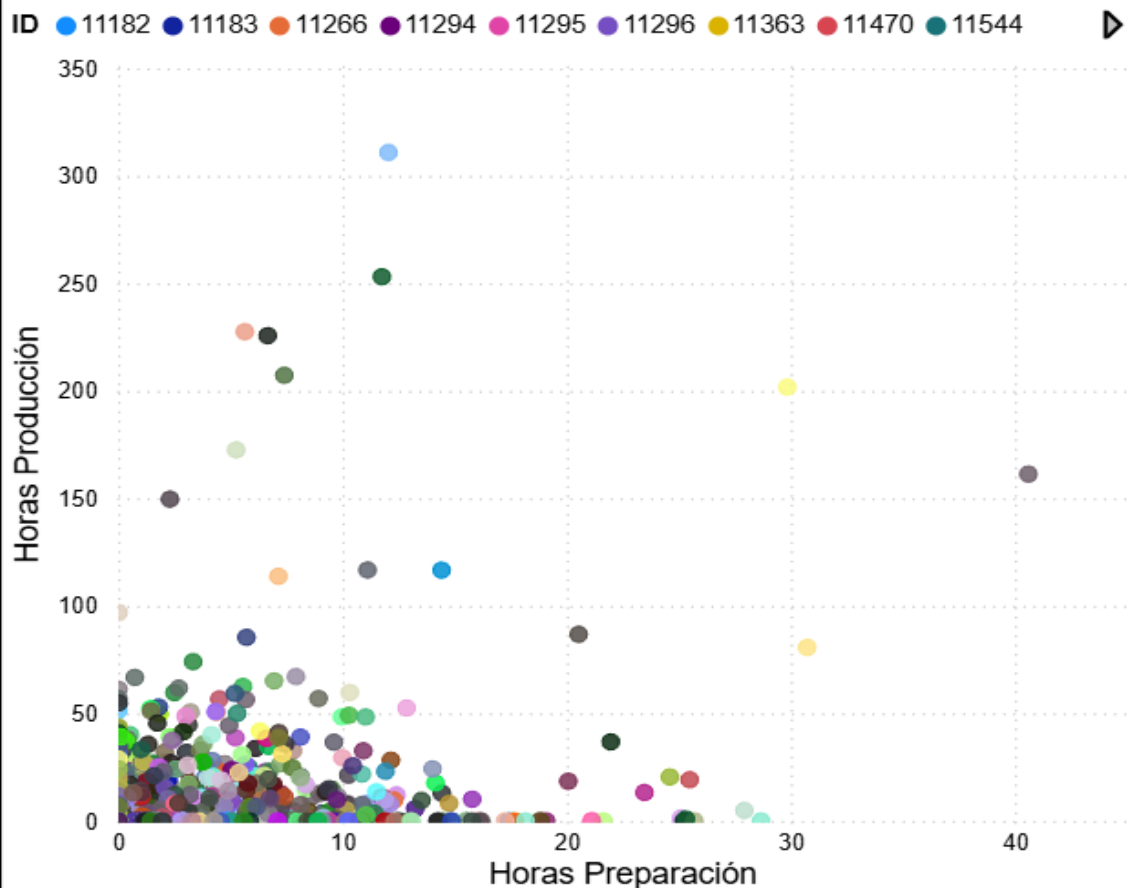
☐ 2025-01-06

☐ 2025-01-07

☐ 2025-01-08

Renglón	ID	saccod1	Hs. Prep.	Hs. Prod.	Eficiencia	%
201	12987	385	1.99	0.23		875.81
825	14425	775	2.39	0.80		299.01
201	14454	360	2.36	0.58		409.01
201	14456	383	2.23	0.11		1997.61
825	14456	383	0.75	0.31		240.51
201	14470	682	1.81	1.07		169.71
825	14470	682	2.08	0.80		260.91
201	14471	682	1.67	0.64		260.81
825	14471	682	0.74	0.48		155.11
201	14487	412	2.86	0.19		1503.31
201	14515	247	2.37	0.41		578.51
201	14560	737	1.85	0.11		1615.21
826	14560	737	0.52	0.35		149.11
201	14581	495	6.84	4.31		158.61
201	14582		4.87	1.79		271.91
826	14582		4.22	2.01		209.91
826	14583	663	3.74	3.26		114.81
201	14584		2.30	0.76		302.41
825	14584		2.71	1.02		265.91
201	14585	612	1.71	1.42		120.31
201	14586	546	3.09	1.86		165.91
201	14588	021	2.27	1.87		121.71
201	14589		5.36	0.92		579.41
201	14598	114	3.00	0.94		318.91
201	14599	114	0.71	0.34		210.21
Total			3,477.02	13,170.30		26.40

Correlación Preparación - Producción



# Semáforo Eficiencia y Scatter Plot para una ID (doble filtro)

MEDORO

Portada

Eventos

KPIs

Eficiencia

Renglón

201

Preparación

3.46

Producción

12.20

% Preparación

28.33%

Buenos/Malos

633.77

Buenos/Hora

2,908.28

% Malos

0.00

ID

14620

Fecha

☐ 2025-01-10 21:13

☐ 2025-01-10 21:39

☐ 2025-01-10 23:34

☐ 2025-01-10 23:35

☐ 2025-01-10 23:36

☐ 2025-01-10 23:37

Fecha Agru...

☐ 2025-01-10

☐ 2025-01-11

☐ 2025-01-13

☐ 2025-01-18

☐ 2025-01-20

Renglón	ID	saccod1	Hs. Prep.	Hs. Prod.	Eficiencia	%
201	14620	481	3.46	12.20	<div></div>	28.33%
Total			3.46	12.20	<div></div>	28.33%

Correlación Preparación - Producción

