

In [1]:

```
import os
import pandas as pd
import numpy as np
import warnings
warnings.filterwarnings('ignore')
import datetime
import dsp
```

Daily selection

In [2]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_seleccion")
df=dsp.daily_prediction_criterio(df_prediccion)
dsp.correccion_horario(df)
```

Out[2]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
28	10/06/2021	18:10	baseball	usa	mlb	Miami Marlins	Colorado Rockies	7.5	1.9	100	UNDER
27	10/06/2021	18:30	basketball	usa	nba	Milwaukee Bucks	Brooklyn Nets	233.5	1.9	100	OVER
26	10/06/2021	19:10	baseball	usa	mlb	Minnesota Twins	New York Yankees	-1	1.9	100	New York Yankees

In [3]:

```
df_prediccion = dsp.load_data(tbl="tbl_stevehudson_soccer")
df=dsp.daily_prediction_criterio(df_prediccion)
dsp.correccion_horario(df)
```

Out[3]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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In [4]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_ou")
df=dsp.daily_prediction_criterio(df_prediccion)
df['objetivo'] = df['objetivo']-5
dsp.correccion_horario(df)
```

Out[4]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
185	10/06/2021	18:30	basketball	usa	nba	Milwaukee Bucks	Brooklyn Nets	233.5	1.9	100	OVER

In [5]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_ou_base")
df=dsp.daily_prediction_criterio(df_prediccion)
df['objetivo'] = df['objetivo']-2
dsp.correccion_horario(df)
```

Out[5]:

date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
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	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
73	10/06/2021	19:10	baseball	usa	mlb	Miami Marlins	Colorado Rockies				

In [6]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_ou_hockey")
df=dsp.daily_prediction_criterio(df_prediccion)
df['objetivo'] = df['objetivo']-1
dsp.correccion_horario(df)
```

Out[6]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
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In [7]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_ou_soccer")
df=dsp.daily_prediction_criterio(df_prediccion)
df['objetivo'] = df['objetivo']-1
dsp.correccion_horario(df)
```

Out[7]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
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In [8]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_hp")
df=dsp.daily_prediction_criterio(df_prediccion)
dsp.correccion_horario(df)
```

Out[8]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
109	10/06/2021	19:10	baseball	usa	mlb	Minnesota Twins	New York Yankees	-1.0	1.9	100	New York Yankees

In [9]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_empate_soccer")
df=dsp.daily_prediction_criterio(df_prediccion)
dsp.correccion_horario(df)
```

Out[9]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
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In [10]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_model2_soccer")
df=dsp.daily_prediction_criterio(df_prediccion)
dsp.correccion_horario(df)
```

Out[10]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
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In [11]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_model_soccer")
df=dsp.daily_prediction_criterio(df_prediccion)
dsp.correccion_horario(df)
```

Out[11]:

```
date hora sport area league team1 team2 objetivo odd criterio outcome
```

In []:

In [12]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_0")
df = dsp.daily_prediction_model(df_prediccion)
dsp.correccion_horario(df)
```

Out[12]:

```
hora date area league team1 team2 team1_odds draw_odds team2_odds objetivo Rating auc
```

In []:

In [13]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_0")
df = dsp.daily_prediction_model(df_prediccion,min_auc=0,min_games=5)
dsp.correccion_horario(df)
```

Out[13]:

	hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Rating	auc
4230	10:00	11/06/2021	soccer@belarus	vysshaya-liga	Slavia Mozyr	FC Minsk	2.05	3.59	3.24	TEAM1	-61.649840	45
4220	12:00	11/06/2021	soccer@belarus	vysshaya-liga	Energetik-BGU	FC Gomel	4.14	3.43	1.85	TEAM2	196.554617	49

In [14]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_magic")
df = dsp.daily_prediction_criterio(df_prediccion)
dsp.correccion_horario(df)
```

Out[14]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
876	11/06/2021	11:00	soccer	lithuania	i-lyga	Atmosfera	Neptunas	X1	1.88	136.0
874	11/06/2021	12:00	soccer	sweden	division-1-sodra	Ljungskile	Utsiktens	X2	2.14	148.0
875	11/06/2021	13:00	soccer	uruguay	primera-division	Liverpool M.	Sud America	X1	1.68	375.0

NHL CLUSTER FALLO

In [15]:

```
df_prediccion = dsp.load_data(tbl="tbl_fallo_nhl")
dsp.daily_prediction(df_prediccion)
```

Out[15]:

```
hora date area_league team1 team2 team1_odds draw_odds team2_odds objetivo
```

In [16]:

In [16]:

```
df_prediccion = dsp.load_data(tbl="tbl_fallo_nhl_original")
dsp.daily_prediction(df_prediccion)
```

Out[16]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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TAN!! SPECIAL SELECTION

In [17]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machinTAN")
df=dsp.daily_prediction(df_prediccion)
dsp.correcion_horario(df)
```

Out[17]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
2446	13:45	11/06/2021	/soccer/ireland/premier-division/dundalk-water...	Dundalk	Waterford	1.21	6.17	13.13	TEAM1
2447	14:00	11/06/2021	/soccer/ireland/premier-division/shamrock-rove...	Shamrock Rovers	Finn Harps	1.30	4.82	10.94	TEAM1

In [18]:

```
df_prediccion = dsp.load_data(tbl="tbl_fallo_hockey")
dsp.daily_prediction(df_prediccion)
```

Out[18]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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Gana Favorito en ODDs finales.

In [19]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_inversos")
dsp.daily_prediction(df_prediccion)
```

Out[19]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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GANAN 1 si objetivo es mayor a 0.52, GANAN 2 si es menor a 49

In [20]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin6_glicko")
dsp.daily_prediction(df_prediccion)
```

Out[20]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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Premium

In [21]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium")
dsp.daily_prediction_criterio(df_prediccion)
```

Out[21]:

	date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio
1682	2021-06-11	00:30	basketball	usa	nba	Milwaukee Bucks	Brooklyn Nets	OVER	0.78454	1.9	100

Criterio

In [22]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machinTAN_criterio")
dsp.daily_prediction_criterio(df_prediccion)
```

Out[22]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
1532	2021-06-11	19:45	soccer	ireland	premier-division	Dundalk	Waterford	TEAM1	1.21	245
1531	2021-06-11	20:00	soccer	ireland	premier-division	Shamrock Rovers	Finn Harps	TEAM1	1.30	245
1533	2021-06-11	17:00	soccer	lithuania	i-lyga	Atmosfera	Neptunas	TEAM1	1.88	136
1530	2021-06-11	19:00	soccer	uruguay	primera-division	Liverpool M.	Sud America	TEAM1	1.68	375

In [23]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machinTAN11")
dsp.daily_prediction(df_prediccion)
```

Out[23]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1834	19:00	2021-06-11	/soccer/uruguay/primera-division/liverpool-m-s...	Liverpool M.	Sud America	1.68	3.45	5.26	TEAM1

In [24]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machinTAN_criterio2")
dsp.daily_prediction_criterio(df_prediccion)
```

Out[24]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
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In [25]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machinTAN_criterio3")
dsp.daily_prediction_criterio(df_prediccion)
```

Out[25]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
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date hora sport area league team1 team2 objetivo odd m_criterio
date hora sport area league team1 team2 objetivo odd m_criterio

OVER UNDER

In [26]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_base1")  
dsp.daily_prediction_criterio(df_prediccion)
```

Out[26]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
2376	2021-06-11	16:00	soccer	lithuania	a-lyga	Suduva	Zalgiris	3.25	1.30	100	0.764855
2377	2021-06-11	18:00	soccer	lithuania	a-lyga	Banga	Hegelmann Litauen	3.25	1.30	100	0.809122
2375	2021-06-11	18:00	soccer	sweden	division-1-sodra	Ljungskile	Utsiktens	3.75	1.34	100	0.455708
2368	2021-06-11	00:10	baseball	usa	mlb	Miami Marlins	Colorado Rockies	9.50	1.39	100	0.833921
2369	2021-06-11	00:10	baseball	usa	mlb	Boston Red Sox	Houston Astros	11.00	1.44	100	0.653589
2370	2021-06-11	01:10	baseball	usa	mlb	Minnesota Twins	New York Yankees	13.00	1.44	100	0.677966
2371	2021-06-11	01:10	baseball	usa	mlb	Chicago White Sox	Toronto Blue Jays	11.00	1.42	100	0.654270
2372	2021-06-11	02:40	baseball	usa	mlb	Oakland Athletics	Kansas City Royals	10.00	1.40	100	0.691256
2373	2021-06-11	00:30	basketball	usa	nba	Milwaukee Bucks	Brooklyn Nets	238.50	1.59	100	0.784540
2374	2021-06-11	03:00	basketball	usa	nba	Utah Jazz	Los Angeles Clippers	227.50	1.61	100	0.406838

In [27]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_handicap1")  
dsp.daily_prediction_criterio(df_prediccion)
```

Out[27]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
489	2021-06-11	01:10	baseball	usa	mlb	Minnesota Twins	New York Yankees	1.00	1.9	100	0.331146
490	2021-06-11	02:40	baseball	usa	mlb	Oakland Athletics	Kansas City Royals	-1.00	1.9	100	0.654086
487	2021-06-11	00:30	basketball	usa	nba	Milwaukee Bucks	Brooklyn Nets	-3.50	1.9	100	0.366295
488	2021-06-11	03:00	basketball	usa	nba	Utah Jazz	Los Angeles Clippers	-2.50	1.9	100	0.824520
486	2021-06-11	02:00	hockey	usa	nhl	Vegas Golden Knights	Colorado Avalanche	-0.25	1.9	100	0.327865

NBA

In [28]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_nba")  
dsp.daily_prediction(df_prediccion)
```

Out[28]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1029	00:30	2021-06-11	/basketball/usa/nba/milwaukee-bucks-brooklyn-n...	Milwaukee Bucks	Brooklyn Nets	1.64	0.0	2.35	0.494912
1030	03:00	2021-06-11	/basketball/usa/nba/utah-jazz-los-angeles-clip...	Utah Jazz	Los Angeles Clippers	1.70	0.0	2.22	0.607527

NBA CLUSTER FALLO

In [29]:

```
df_prediccion = dsp.load_data(tbl="tbl_fallo_nba")
dsp.daily_prediction(df_prediccion)
```

Out[29]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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NBA FALLO SIN FILTRO

In [30]:

```
df_prediccion = dsp.load_data(tbl="tbl_fallo2_nba")
dsp.daily_prediction(df_prediccion)
```

Out[30]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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MLB FALLO

In [31]:

```
df_prediccion = dsp.load_data(tbl="tbl_fallo_mlb")
dsp.daily_prediction(df_prediccion)
```

Out[31]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
------	------	-------------	-------	-------	------------	-----------	------------	----------

NHL

In [32]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_nhl")
dsp.daily_prediction(df_prediccion)
```

Out[32]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
948	02:00	2021-06-11	/hockey/usa/nhl/vegas-golden-knights-colorado-...	Vegas Golden Knights	Colorado Avalanche	2.23	4.15	2.77	0.535423

MLB

In [33]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_base1")
dp = dsp.daily_prediction(df_prediccion)
dp.sort_values(by=[ 'hora' ], ascending=True)
```

Out[33]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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SOCCER

In [34]:

In [34]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_soccer")
dsp.daily_prediction(df_prediccion)
```

Out[34]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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SOCCER CLUSTER FALLO

In [35]:

```
df_prediccion = dsp.load_data(tbl="tbl_fallo_soccer")
dsp.daily_prediction(df_prediccion)
```

Out[35]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
------	------	-------------	-------	-------	------------	-----------	------------	----------

SOCCER EMPATE SECUENCIA

In [36]:

```
df_prediccion = dsp.load_data(tbl="tbl_empate_soccer")
dsp.daily_prediction(df_prediccion)
```

Out[36]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
793	21:15	2021-06-11	soccer/uruguay_primera-division	Montevideo City	Wanderers	1.84	2.99	5.13	7-Montevideo City-0.04

MILAN - más negativo -77

In [37]:

```
df_prediccion = dsp.load_data(tbl="tbl_favorito_soccer_MILAN")
dsp.daily_prediction(df_prediccion)
```

Out[37]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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CRB - más positivo .49

In [38]:

```
df_prediccion = dsp.load_data(tbl="tbl_favorito_soccer_CRB")
dsp.daily_prediction(df_prediccion)
```

Out[38]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
126	23:00	2021-06-11	soccer/brazil_serie-b	Sampaio Correa	Ponte Preta	2.7	3.15	2.59	FALLO-2-Sampaio Correa-0.05

LIGA MX

In [39]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_mx1")
dsp.daily_prediction_criterio(df_prediccion)
```

Out[39]:

date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio
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NFL

In [40]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_nfl1")
dsp.daily_prediction_criterio(df_prediccion)
```

Out[40]:

date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio
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HOCKEY

In [41]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_hockey")
dsp.daily_prediction(df_prediccion)
```

Out[41]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
------	------	-------------	-------	-------	------------	-----------	------------	----------

Daily predictions machin3.

In [42]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin3")
dsp.daily_prediction(df_prediccion)
```

Out[42]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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Daily predictions machin6

Objetivo > .50 TEAM1 | Objetivo < .50 TEAM2

In [43]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin6")
dp = dsp.daily_prediction(df_prediccion)
dp.sort_values(by=[ 'objetivo' ],ascending=False)
```

Out[43]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
8365	16:30	2021-06-11	/soccer/finland/ykkonen/ekenas-if-klubi-04-KvS...	Ekenas	Klubi 04	1.57	4.15	4.95	0.692570
8367	19:45	2021-06-11	/soccer/ireland/premier-division/dundalk-water...	Dundalk	Waterford	1.21	6.17	13.13	0.677915

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
8369	20:00	2021-06-11	/soccer/ireland/premier-division/shamrock-rover...	Shamrock Rovers	Finn Harps	1.30	4.82	10.94	0.656087
8366	18:00	2021-06-11	/soccer/sweden/division-1-sodra/ljungkile-uts...	Ljungkile	Utsiktens	2.98	3.63	2.14	0.545653
8368	19:45	2021-06-11	/soccer/ireland/premier-division/derry-city-bo...	Derry City	Bohemians	3.09	3.34	2.27	0.534906
8373	18:00	2021-06-11	/soccer/world/club-friendly/ask-voitsberg-deut...	ASK Voitsberg (Aut)	Deutschlandsberger (Aut)	2.96	4.20	1.91	0.525719
8372	18:00	2021-06-11	/soccer/world/club-friendly/gleisdorf-furstenf...	Gleisdorf (Aut)	Furstenfeld (Aut)	1.35	5.35	5.81	0.525719
8375	18:30	2021-06-11	/soccer/world/club-friendly/margarethen-fc-mau...	Margarethen (Aut)	Mauerwerk (Aut)	2.98	4.18	1.89	0.525719
8370	15:00	2021-06-11	/soccer/world/club-friendly/rosenborg-levanger...	Rosenborg 2 (Nor)	Levanger (Nor)	3.18	4.25	1.85	0.525719
8374	18:00	2021-06-11	/soccer/world/club-friendly/weindorf-st-anna-h...	Weindorf St. Anna (Aut)	Heiligenkreuz (Aut)	1.23	6.21	7.80	0.525719
8371	16:30	2021-06-11	/soccer/world/club-friendly/znojmo-hodonin-UNY...	Znojmo (Cze)	Hodonin (Cze)	1.61	4.19	4.16	0.525719
8376	16:00	2021-06-11	/soccer/lithuania/a-lyga/suduva-zalgiris-dlbCX...	Suduva	Zalgiris	2.56	3.20	2.53	0.507489
8377	18:00	2021-06-11	/soccer/lithuania/a-lyga/banga-hegelmann-litau...	Banga	Hegelmann Litauen	3.30	3.30	2.03	0.469949

EXPERIMENTAL

Daily model 53

In [44]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_53")
dsp.daily_prediction(df_prediccion)
```

Out[44]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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In [45]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_50")
dsp.daily_prediction(df_prediccion)
```

Out[45]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
9711	16:30	2021-06-11	/soccer/finland/veikkausliiga/ac-oulu-honka-IP...	AC Oulu	Honka	4.32	3.29	1.9	TEAM2

Daily predictions machin4 EMPATE

In [46]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin4")
dsp.daily_prediction(df_prediccion)
```

Out[46]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
------	------	-------------	-------	-------	------------	-----------	------------	----------

Daily predictions machin5

In [47]:

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin5")
dsp.daily_prediction(df_prediccion)
```

Out[47]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
------	------	-------------	-------	-------	------------	-----------	------------	----------

In []: