```
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.correcion horario(df)
Out[2]:
          date hora
                      sport
                              area
                                      league
                                                        team1
                                                                         team2 objetivo odd criterio outcome
104 04/07/2021 19:30
                                                      FC Dallas Vancouver Whitecaps
                                                                                                  FC Dallas
                     soccer
                              usa
                                        mls
                                                                                  -0.75 1.90
                                                                                              100
106 04/07/2021 20:10 baseball
                                                              San Francisco Giants
                                                                                                     OVER
                              usa
                                        mlb Arizona Diamondbacks
                                                                                    9 1.90
                                                                                              100
105 05/07/2021 12:00
                     soccer sweden allsvenskan
                                                      Goteborg
                                                                        Elfsborg
                                                                                TEAM1 2.55
                                                                                                    TEAM1
In [3]:
df prediccion = dsp.load data(tbl="tbl stevehudson soccer")
df=dsp.daily_prediction(df_prediccion)
dsp.correcion horario(df)
Out[3]:
  hora date area_league team1 team2 team1_odds draw_odds team2_odds objetivo
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.correcion_horario(df)
Out[4]:
  date hora sport area league team1 team2 objetivo odd criterio outcome
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.correcion_horario(df)
Out[5]:
          date hora
                      sport area league
                                                  team1
                                                                   team2 objetivo odd criterio outcome
```

San Francisco

mlb Arizona Diamondbacks

139 04/07/2021 20:10 baseball usa

```
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.correcion_horario(df)
```

Out[6]:

date hora sport area league team1 team2 objetivo odd criterio outcome

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.correcion_horario(df)
```

Out[7]:

date hora sport area league team1 team2 objetivo odd criterio outcome

In [8]:

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

Out[8]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
191	04/07/2021	19:30	soccer	usa	mls	FC Dallas	Vancouver Whitecaps	-0.75	1.9	100	FC Dallas
192	04/07/2021	21:30	soccer	usa	mls	Los Angeles Galaxy	Sporting Kansas City	0.00	1.9	100	Sporting Kansas City

In [9]:

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

Out[9]:

date hora sport area league team1 team2 objetivo odd criterio outcome

In [10]:

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

Out[10]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
109	05/07/2021	12:00	soccer	norway	eliteserien	Kristiansund	Brann	TEAM1	1.97	100	TEAM1
108	05/07/2021	12:00	soccer	sweden	allsvenskan	Goteborg	Elfsborg	TEAM1	2.55	100	TEAM1

In [11]:

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

```
dsp.correcion_horario(df)
```

Out[11]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
34	05/07/2021	12:00	soccer	norway	eliteserien	Kristiansund	Brann	TEAM1	1.97	100	TEAM1

In []:

In [12]:

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

Out[12]:

	hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Rating	auc
4878	14:15	05/07/2021	soccer@iceland	pepsideild	KA Akureyri	KR Reykjavik	2.68	3.33	2.53	TEAM2	40.043587	58

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.correcion_horario(df)
```

Out[13]:

	hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Ratinç
4862	12:00	05/07/2021	soccer@sweden	allsvenskan	Goteborg	Elfsborg	2.55	3.12	2.95	TEAM1	-38.659893
4884	12:00	05/07/2021	soccer@norway	eliteserien	Kristiansund	Brann	1.97	3.68	3.65	TEAM1	116.194358
4878	14:15	05/07/2021	soccer@iceland	pepsideild	KA Akureyri	KR Reykjavik	2.68	3.33	2.53	TEAM2	-40.043587

In [14]:

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

Out[14]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
928	05/07/2021	10:30	soccer	finland	ykkonen	Gnistan	TPS	X2	2.27	180.0
929	05/07/2021	11:00	soccer	norway	obos-ligaen	Raufoss	Bryne	X2	2.84	154.0
930	05/07/2021	12:00	soccer	norway	eliteserien	Kristiansund	Brann	X1	1.97	100.0
927	05/07/2021	13:00	soccer	norway	obos-ligaen	Sandnes	Aalesund	X2	2.17	220.0

NHL CLUSTER FALLO

In [15]:

df medicaion - dan load data(thl="thl fallo mhl")

```
ur_prediccion - usp.ioau_uata(tbi- tbi_iaiio_nni )
dsp.daily_prediction(df_prediccion)
Out[15]:
  hora date area_league team1 team2 team1_odds draw_odds team2_odds objetivo
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
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
                         /soccer/norway/obos-ligaen/sogndal-
2504 11:00 05/07/2021
                                                                                                   TEAM1
                                                     Sogndal Strommen
                                         strommen-4v...
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
Gana Favorito en ODDs finales.
In [19]:
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_inversos")
dsp.daily prediction(df prediccion)
Out[19]:
```

GANA 1 si objetivo es mayor a 0.52, GANA 2 si es menor a 49

hora date area_league team1 team2 team1_odds draw_odds team2_odds objetivo

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

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

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
1639	2021-07-05	18:00	soccer	egypt	premier-league	El Ismaily	Al Ittihad	TEAM1	2.34	330
1638	2021-07-05	17:00	soccer	norway	obos-ligaen	Sogndal	Strommen	TEAM1	1.44	280
1640	2021-07-05	19:00	soccer	norway	obos-ligaen	Sandnes	Aalesund	TEAM2	2.17	255
1641	2021-07-05	10:30	baseball	south-korea	kbo	KT Wiz Suwon	Kiwoom Heroes	TEAM1	1.85	135

```
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

```
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

```
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

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
2627	2021-07-05	17:00	soccer	norway	obos-ligaen	Start	Ham-Kam	4.00	1.29	100	0.428154
2628	2021-07-05	17:00	soccer	norway	obos-ligaen	UII/Kisa	Ranheim	4.00	1.26	100	0.348894
2629	2021-07-05	19:00	soccer	norway	obos-ligaen	Sandnes	Aalesund	3.50	1.32	100	0.783517
2624	2021-07-05	02:10	baseball	usa	mlb	Arizona Diamondbacks	San Francisco Giants	11.00	1.40	100	0.732190
2625	2021-07-05	02:00	soccer	usa	mls	Colorado Rapids	Seattle Sounders	3.75	1.32	100	0.420899

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
62	2021-07-05	18:00	soccer	norway	eliteserien	Kristiansund	Brann	-0.50	1.9	100	0.447925
628	3 2021-07-05	00:08	baseball	usa	mlb	New York Yankees	New York Mets	-1.00	1.9	100	0.635625
62	2021-07-05	01:30	soccer	usa	mls	FC Dallas	Vancouver Whitecaps	-0.75	1.9	100	0.121693
62	2021-07-05	02:00	soccer	usa	mls	Colorado Rapids	Seattle Sounders	-0.50	1.9	100	0.232486
620	3 2021-07-05	03:30	soccer	usa	mls	Los Angeles Galaxy	Sporting Kansas City	0.00	1.9	100	0.211756

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

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

```
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
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
MLB
In [33]:
df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_base1")
```

```
In [33]:

df_prediccion = dsp.load_data(tbl="tbl_prediccion_machin_basel")
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

hora date area_league team1 team2 team1_odds draw_odds team2_odds objetivo

SOCCER

```
In [34]:

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

Out[34]:
```

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
840	16:00	2021-07- 05	soccer/egypt_premier- league	Wadi Degla	Misr Lel Makkasa	2.13	3.14	3.42	1-Wadi Degla- 0.48
841	18:00	2021-07- 05	soccer/sweden_allsvenskan	Goteborg	Elfsborg	2.55	3.12	2.95	4-Elfsborg-0.12

MILAN - más negativo -77

In [37]:

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

Out[37]:

	ŀ	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
7	69 1	7:00	2021- 07-05	soccer/norway_obos- ligaen	UII/Kisa	Ranheim	2.73	3.56	2.39	FAVORITO-1-UII/Kisa- -0.04
7	70 0	3:30	2021- 07-05	soccer/usa_mls	Los Angeles Galaxy	Sporting Kansas City	2.55	3.75	2.54	FAVORITO-3-Sporting Kansas City0.09

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
188	19:00	2021-07- 05	soccer/norway_obos- ligaen	Sandnes	Aalesund	3.16	3.47	2.17	FAVORITO-1-Sandnes-0.49

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
NFL
In [40]:
df prediccion = dsp.load data(tbl="tbl prediccion machin nfll")
dsp.daily_prediction_criterio(df_prediccion)
Out[40]:
  date hora sport area league team1 team2 objetivo outcome odd m_criterio
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

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
8933	16:00	2021- 07-05	/soccer/world/club-friendly/shakhtar- turkgucu	Shakhtar Donetsk (Ukr)	Turkgucu Munchen (Ger)	1.16	7.26	12.82	0.894514
8915	18:00	2021- 07-05	/soccer/norway/eliteserien/kristiansund-brann	Kristiansund	Brann	1.97	3.68	3.65	0.642103
8916	01:30	2021- 07-05	/soccer/usa/mls/fc-dallas-vancouver- whitecaps	FC Dallas	Vancouver Whitecaps	1.71	4.03	4.56	0.605180

8926	17908	2 021 e 07-05	/soccer/norway/obos-ligaen/ull-kisa ranheim-h0	URPRISA	Ra rrena	team1_oolds	draw_odds	team2_oølds	0.5ietize
8923	17:00	2021- 07-05	/soccer/norway/obos-ligaen/sogndal- strommen-4v	Sogndal	Strommen	1.44	4.46	6.68	0.556225
8919	16:30	2021- 07-05	/soccer/finland/ykkonen/gnistan-tps- x0dMLDmO/	Gnistan	TPS	3.03	3.27	2.27	0.549822
8930	12:41	2021- 07-05	/soccer/world/club-friendly/crvena- zvezda-camp	FK Crvena zvezda (Srb)	FC Arges (Rou)	1.49	4.34	5.59	0.525719
8931	14:00	2021- 07-05	/soccer/world/club-friendly/rubin-kazan- ural-l	Rubin Kazan (Rus)	Ural (Rus)	2.03	3.42	3.41	0.525719
8928	00:30	2021- 07-05	/soccer/world/club-friendly/santos- laguna-club	Santos Laguna (Gr4)	Club America (Gr3)	2.39	3.41	2.71	0.525719
8929	12:00	2021- 07-05	/soccer/world/club-friendly/spartak- moscow-sib	Spartak Moscow (Rus)	Sibenik (Cro)	1.44	4.50	6.09	0.525719
8932	16:00	2021- 07-05	/soccer/world/club-friendly/ufa-sepsi- CbMcJQH9/	Ufa (Rus)	Sepsi Sf. Gheorghe (Rou)	2.71	3.49	2.38	0.525719
8924	17:00	2021- 07-05	/soccer/norway/obos-ligaen/fredrikstad-kfum-os	Fredrikstad	KFUM Oslo	1.82	3.84	3.92	0.517091
8922	17:00	2021- 07-05	/soccer/norway/obos-ligaen/asane-jerv- MF8tEZwf/	Asane	Jerv	2.27	3.69	2.83	0.515026
8918	03:30	2021- 07-05	/soccer/usa/mls/los-angeles-galaxy- sporting-ka	Los Angeles Galaxy	Sporting Kansas City	2.55	3.75	2.54	0.493891
8925	17:00	2021- 07-05	/soccer/norway/obos-ligaen/stjordals- blink-gro	Stjordals Blink	Grorud	2.33	3.65	2.76	0.471702
8917	02:00	2021- 07-05	/soccer/usa/mls/colorado-rapids- seattle-sounde	Colorado Rapids	Seattle Sounders	1.97	3.74	3.57	0.461298
8921	17:00	2021- 07-05	/soccer/norway/obos-ligaen/raufoss- bryne-Au5xF	Raufoss	Bryne	2.23	3.80	2.84	0.455897
8920	17:00	2021- 07-05	/soccer/norway/obos-ligaen/start-ham-kam-GI5YF	Start	Ham-Kam	2.42	3.36	2.82	0.439604
8927	19:00	2021- 07-05	/soccer/norway/obos-ligaen/sandnes-ulf-aalesun	Sandnes	Aalesund	3.16	3.47	2.17	0.383744

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
2055	20:15	2021-07- 05	/soccer/iceland/pepsideild/ka-akureyri-kr- reyk	KA Akureyri	KR Reykjavik	2.68	3.33	2.53	TEAM2

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
10076	16:30	2021- 07-05	/soccer/finland/veikkausliiga/ac-oulu-ktp-QBPo	AC Oulu	KTP	2.15	3.25	3.50	TEAM2

10077	hora 20:15	2 dațe 07-05	/soccer/iceland/pepsideild/ka ² traditional reyk	team1 KA Akureyri	teama Reykjavík	team1_odds 2.68	draw_odds 3.33	team2_odds 2.53	objetivo TFAM2
10079	18:00	2021- 07-05	/soccer/norway/eliteserien/kristiansund- brann	Kristiansund	Brann	1.97	3.68	3.65	TEAM1

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 [ ]:
```