```
In [1]:
```

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

Daily selection

```
In [2]:
```

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

```
Out[2]:
```

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

```
In [3]:
```

```python
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[3]:
```

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
38	18/04/2021	18:00	basketball	usa	nba	Toronto Raptors	Oklahoma City Thunder	218.0	1.58	100	UNDER
37	18/04/2021	18:30	basketball	usa	nba	Dallas Mavericks	Sacramento Kings	231.5	1.57	100	UNDER

```
In [4]:
```

```python
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[4]:
```

date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome

```
In [5]:
```

```python
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[5]:
```

date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome

```
In [6]:
```

```
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[6]:
```

date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome

```
In [7]:
```

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

```
Out[7]:
```

	hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Rating	auc
710	11:00	19/04/2021	soccer@israel	leumit-league	H. Ironi Rishon	Nes Tziona	2.72	2.80	2.72	TEAM1	-20.351774	54
716	11:00	19/04/2021	soccer@israel	leumit-league	H. Akko	MS Kafr Qasim	2.65	2.79	2.81	DRAW	-375.757159	59

```
In [8]:
```

```
df_prediccion = dsp.load_data(tbl="tbl_prediccion_0")
df = dsp.daily_prediction_model(df_prediccion,min_auc=0,min_games=4)
dsp.correcion_horario(df)
```

```
Out[8]:
```

	hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Rating	auc
710	11:00	19/04/2021	soccer@israel	leumit-league	H. Ironi Rishon	Nes Tziona	2.72	2.80	2.72	TEAM1	-20.351774	54
716	11:00	19/04/2021	soccer@israel	leumit-league	H. Akko	MS Kafr Qasim	2.65	2.79	2.81	DRAW	-375.757159	59

```
In [9]:
```

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

```
Out[9]:
```

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
689	19/04/2021	11:00	soccer	israel	leumit-league	H. Akko	MS Kafr Qasim	X2	2.81	100.0
690	19/04/2021	13:15	soccer	sweden	division-1-norra	Haninge	Taby	X1	2.16	127.0

NHL CLUSTER FALLO

```
In [10]:
```

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

```
Out[10]:
```

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

TAN!! SPECIAL SELECTION

In [11]:

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

Out[11]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

In [12]:

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

Out[12]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
114	0:0	2021-04-19	hockey/finland_liiga	TPS Turku	Pelicans	2.47	3.77	2.50	2
115	0:0	2021-04-19	hockey/finland_liiga	Tappara	KalPa	2.25	3.76	2.80	2
116	0:0	2021-04-19	hockey/finland_liiga	IFK Helsinki	Karpat	2.06	3.74	3.18	2

Gana Favorito en ODDs finales.

In [13]:

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

Out[13]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
158	12:00	2021-04-19	/soccer/kazakhstan/premier-league/aktobe-shakh...	Aktobe	Shakhtar Karagandy	1.82	3.42	3.92	0.272681

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

In [14]:

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

Out[14]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

Premium

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

Out[15]:

	date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio
1297	2021-04-19	17:00	soccer	israel	leumit-league	H. Akko	MS Kafr Qasim	X2	1.000000	2.81	100
1298	2021-04-19	00:00	basketball	usa	nba	Charlotte Hornets	Portland Trail Blazers	OVER	0.759054	1.90	100
1299	2021-04-19	00:00	basketball	usa	nba	Orlando Magic	Houston Rockets	OVER	0.818790	1.90	100
1300	2021-04-19	00:00	basketball	usa	nba	Toronto Raptors	Oklahoma City Thunder	OVER	0.667094	1.90	100
1301	2021-04-19	00:30	basketball	usa	nba	Dallas Mavericks	Sacramento Kings	OVER	0.573653	1.90	100
1302	2021-04-19	03:00	basketball	usa	nba	Los Angeles Clippers	Minnesota Timberwolves	OVER	0.727910	1.90	100

Criterio

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

Out[16]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
1304	2021-04-19	14:00	hockey	finland	liiga	Lukko	Ilves	TEAM1	1.49	188
1305	2021-04-19	17:30	soccer	france	national	Bastia	Sporting Club Lyon	TEAM1	1.62	271
1306	2021-04-19	16:45	soccer	iran	division-1	Esteghlal Khuzestan	Esteghlal Molasani	TEAM1	1.52	211
1308	2021-04-19	20:15	soccer	saudi-arabia	division-1	Jeddah	Hajer	TEAM1	2.55	203
1307	2021-04-19	19:15	soccer	sweden	division-1-norra	Haninge	Taby	TEAM1	2.16	127

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

Out[17]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1526	14:00	2021-04-19	/hockey/finland/liiga/lukko-rauman-ilves-tampe...	Lukko	Ilves	1.49	4.88	5.16	TEAM1
1527	17:30	2021-04-19	/soccer/france/national/bastia-sporting-club-l...	Bastia	Sporting Club Lyon	1.62	3.32	6.29	TEAM1
1528	16:45	2021-04-19	/soccer/iran/division-1/esteghlal-khuzestan-es...	Esteghlal Khuzestan	Esteghlal Molasani	1.52	3.26	6.80	TEAM1

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

In [19]:

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

Out[19]:

date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio

OVER UNDER

In [20]:

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

Out[20]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
1478	2021-04-19	01:00	soccer	mexico	liga-mx	Santos Laguna	Toluca	3.75	1.34	100	0.232061
1479	2021-04-19	01:00	soccer	mexico	liga-mx	Santos Laguna	Toluca	3.75	1.34	100	0.203046
1471	2021-04-19	00:00	basketball	usa	nba	Charlotte Hornets	Portland Trail Blazers	221.50	1.57	100	0.759054
1472	2021-04-19	00:00	basketball	usa	nba	Orlando Magic	Houston Rockets	224.50	1.59	100	0.818790
1473	2021-04-19	00:00	basketball	usa	nba	Toronto Raptors	Oklahoma City Thunder	223.00	1.58	100	0.667094
1474	2021-04-19	00:30	basketball	usa	nba	Dallas Mavericks	Sacramento Kings	236.50	1.57	100	0.573653
1475	2021-04-19	03:00	basketball	usa	nba	Los Angeles Clippers	Minnesota Timberwolves	237.50	1.56	100	0.727910
1476	2021-04-19	00:00	hockey	usa	nhl	Vancouver Canucks	Toronto Maple Leafs	7.00	1.45	100	0.738294
1477	2021-04-19	00:00	hockey	usa	nhl	Vancouver Canucks	Toronto Maple Leafs	7.00	1.40	100	0.772329

NBA

In [21]:

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

Out[21]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
747	00:00	2021-04-19	/basketball/usa/nba/charlotte-hornets-portland...	Charlotte Hornets	Portland Trail Blazers	2.54	0	1.55	0.509049
750	00:30	2021-04-19	/basketball/usa/nba/dallas-mavericks-sacrament...	Dallas Mavericks	Sacramento Kings	1.25	0	4.13	0.670504
751	03:00	2021-04-19	/basketball/usa/nba/los-angeles-clippers-minne...	Los Angeles Clippers	Minnesota Timberwolves	1.21	0	4.70	0.720640
748	00:00	2021-04-19	/basketball/usa/nba/orlando-magic-houston-rock...	Orlando Magic	Houston Rockets	1.90	0	1.94	0.572343
749	00:00	2021-04-19	/basketball/usa/nba/toronto-raptors-oklahoma-c...	Toronto Raptors	Oklahoma City Thunder	1.42	0	2.98	0.615356

NBA CLUSTER FALLO

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

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

NBA FALLO SIN FILTRO

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

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

NHL

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

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
702	00:00	2021-04-19	/hockey/usa/nhl/vancouver-canucks-toronto-mapl...	Vancouver Canucks	Toronto Maple Leafs	5.54	5.35	1.46	0.47891

MLB

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

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

SOCCER

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

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
240	20:00	2021-04-19	/soccer/england/premier-league/leeds-liverpool...	Leeds	Liverpool	4.65	4.43	1.68	0.545111

SOCCER CLUSTER FALLO

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

Out[27]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
189	0:0	2021-04-19	soccer/england_premier-league	Leeds	Liverpool	4.66	4.44	1.68	1

SOCCER EMPATE SECUENCIA

In [28]:

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

Out[28]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
531	17:30	2021-04-19	soccer/greece_super-league	Lamia	AEL Larissa	2.52	2.85	3.18	1-Lamia-0.47
530	17:00	2021-04-19	soccer/israel_leumit-league	H. Akko	MS Kafr Qasim	2.65	2.79	2.81	1-H. Akko-0.21
533	17:00	2021-04-19	soccer/israel_leumit-league	H. Akko	MS Kafr Qasim	2.65	2.79	2.81	5-MS Kafr Qasim-0.08
534	18:00	2021-04-19	soccer/sweden_allsvenskan	Varbergs	Elfsborg	3.42	3.45	2.12	1-Elfsborg-0.12
532	18:00	2021-04-19	soccer/sweden_superettan	Norrby	Jonkopings	3.27	3.54	2.10	1-Norrby-0.12

MILAN - más negativo -77

In [29]:

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

Out[29]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
489	01:00	2021-04-19	soccer/mexico_liga-mx	Santos Laguna	Toluca	1.77	3.74	4.35	FAVORITO-1-Santos Laguna--0.45
490	18:00	2021-04-19	soccer/sweden_superettan	Norrby	Jonkopings	3.27	3.54	2.10	FAVORITO-1-Jonkopings--0.18

CRB - más positivo .49

In [30]:

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

Out[30]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
92	20:00	2021-04-19	soccer/spain_laliga2	Almeria	Espanyol	3.06	3.16	2.42	FALLO-2-Almeria-0.49

LIGA MX

In [31]:

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

Out[31]:

	date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio
186	2021-04-19	01:00	soccer	mexico	liga-mx	Santos Laguna	Toluca	TEAM1	0.595800	1.77	100
187	2021-04-19	03:06	soccer	mexico	liga-mx	Monterrey	Pachuca	TEAM1	0.592763	1.61	100

NFL

In [32]:

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

Out[32]:

date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio

HOCKEY

In [33]:

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

Out[33]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
323	16:30	2021-04-19	/hockey/finland/liiga/ifk-helsinki-karpat-oulu...	IFK Helsinki	Karpat	2.06	3.74	3.18	0.632209
321	14:00	2021-04-19	/hockey/finland/liiga/lukko-rauman-ilves-tampe...	Lukko	Ilves	1.49	4.88	5.16	0.651464
322	16:30	2021-04-19	/hockey/finland/liiga/tappara-kalpa-kuopio-nwl...	Tappara	KalPa	2.25	3.76	2.80	0.545041
320	14:00	2021-04-19	/hockey/finland/liiga/tps-turku-pelicans-lahti...	TPS Turku	Pelicans	2.47	3.77	2.50	0.498793

Daily predictions machin3.

In [34]:

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

Out[34]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

Daily predictions machin6

Objetivo > .50 TEAM1 | Objetivo < .50 TEAM2

In [35]:

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

Out[35]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
7187	19:15	2021-04-19	/soccer/sweden/division-1-norra/haninge-taby-f...	Haninge	Taby	2.16	3.80	2.76	0.667569
7185	20:00	2021-04-19	/soccer/england/premier-league/leeds-liverpool...	Leeds	Liverpool	4.65	4.43	1.68	0.545111
7188	17:00	2021-04-19	/soccer/world/club-friendly/new-amsterdam-la-f...	New Amsterdam (Usa)	LA Force (Usa)	5.29	5.49	1.38	0.525719
7189	22:00	2021-04-19	/soccer/world/club-friendly/stumptown-californ...	Stumptown Ath. (Usa)	California Utd. (Usa)	3.66	3.81	1.81	0.525719
7186	03:00	2021-04-19	/soccer/usa/mls/vancouver-whitecaps-portland-t...	Vancouver Whitecaps	Portland Timbers	4.54	3.95	1.73	0.486664

EXPERIMENTAL

Daily model 53

In [36]:

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

Out[36]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1315	17:00	2021-04-19	/soccer/israel/leumit-league/h-ironi-rishon-ne...	H. Ironi Rishon	Nes Tziona	2.72	2.80	2.72	TEAM1
1317	17:00	2021-04-19	/soccer/israel/leumit-league/hapoel-akko-ms-ka...	H. Akko	MS Kafr Qasim	2.65	2.79	2.81	DRAW

In [37]:

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

Out[37]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
7932	17:00	2021-04-19	/soccer/israel/leumit-league/h-ironi-rishon-ne...	H. Ironi Rishon	Nes Tziona	2.72	2.80	2.72	TEAM1
7934	17:00	2021-04-19	/soccer/israel/leumit-league/hapoel-akko-ms-ka...	H. Akko	MS Kafr Qasim	2.65	2.79	2.81	DRAW
7936	18:00	2021-04-19	/soccer/sweden/superettan/norrby-jonkopings-nF...	Norrby	Jonkopings	3.27	3.54	2.10	TEAM1

Daily predictions machin4 EMPATE

In [38]:

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

Out[38]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

Daily predictions machin5

In [39]:

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

Out[39]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo

In [ ]: