

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_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
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In [3]:

```
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
------	------	-------	------	--------	-------	-------	----------	-----	----------	---------

In [4]:

```
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]:

```
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=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
------	------	-------	------	--------	-------	-------	----------	-----	----------	---------

In [7]:

```

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

```

Out[8]:

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

In [9]:

```

df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_model2_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
------	------	-------	------	--------	-------	-------	----------	-----	----------	---------

In [10]:

```

df_prediccion = dsp.load_data(tbl="tbl_prediccion_premium_model_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
------	------	-------	------	--------	-------	-------	----------	-----	----------	---------

In []:

In [11]:

```

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

```

Out[11]:

	hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Rating	auc
3902	10:30	25/05/2021	soccer@armenia	premier-league	Ararat Yerevan	Alashkert	2.47	2.96	2.73	TEAM1	107.376883	53

In []:

In [12]:

```
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[12]:

	hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Rating	auc
3902	10:30	25/05/2021	soccer@armenia	premier-league	Ararat Yerevan	Alashkert	2.47	2.96	2.73	TEAM1	107.376883	53

In [13]:

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

Out[13]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
844	25/05/2021	07:30	soccer	tajikistan	vysshaya-liga	Khatlon	Faizkand	X1	2.00	141.0
843	25/05/2021	11:45	soccer	israel	leumit-league	H. Akko	M. Nazareth	X2	3.81	100.0

NHL CLUSTER FALLO

In [14]:

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

Out[14]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
474	0:0	2021-05-25	hockey/usa_nhl	Florida Panthers	Tampa Bay Lightning	154.0	321.0	136.0	1
475	0:0	2021-05-25	hockey/usa_nhl	Winnipeg Jets	Edmonton Oilers	164.0	315.0	129.0	1

In [15]:

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

Out[15]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
77	0:0	2021-05-25	hockey/usa_nhl	Florida Panthers	Tampa Bay Lightning	154.0	321.0	136.0	1
78	0:0	2021-05-25	hockey/usa_nhl	Winnipeg Jets	Edmonton Oilers	164.0	315.0	129.0	1

TAN!! SPECIAL SELECTION

In [16]:

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

```
dsp.correccion_horario(df)
```

Out[16]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
2429	11:00	25/05/2021	/soccer/norway/obos-ligaen/ham-kam-grorud-fyXu...	Ham-Kam	Grorud	1.51	4.25	5.20	TEAM1
2428	12:00	25/05/2021	/soccer/slovakia/fortuna-liga/zilina-sered-fRH...	Zilina	Sered	1.31	5.03	7.65	TEAM1

In [17]:

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

Out[17]:

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

Gana Favorito en ODDs finales.

In [18]:

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

Out[18]:

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

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

In [19]:

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

Out[19]:

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

Premium

In [20]:

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

Out[20]:

	date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio
1638	2021-05-25	17:45	soccer	israel	leumit-league	H. Akko	M. Nazareth	X2	1.000000	3.81	100
1639	2021-05-25	03:00	basketball	usa	nba	Denver Nuggets	Portland Trail Blazers	OVER	0.609168	1.90	100

Criterio

In [21]:

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

Out[21]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
1479	2021-05-25	20:15	soccer	iceland	pepsideild	KR Reykjavik	Kopavogur	TEAM1	1.46	171
1480	2021-05-25	17:00	soccer	norway	obos-ligaen	Ham-Kam	Grorud	TEAM1	1.51	216
1482	2021-05-25	19:00	soccer	saudi-arabia	saudi-professional-league	Al-Fateh	Al Qadisiya	TEAM1	2.40	189
1483	2021-05-25	13:30	soccer	tajikistan	vysshaya-liga	Khatlon	Faizkand	TEAM1	2.00	141
1481	2021-05-25	14:00	soccer	zambia	super-league	Red Arrows	Nkana	TEAM1	1.61	282

In [22]:

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

Out[22]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1807	20:15	2021-05-25	/soccer/iceland/pepsideild/kr-reykjavik-kopavo...	KR Reykjavik	Kopavogur	1.46	4.33	5.69	TEAM1
1808	17:00	2021-05-25	/soccer/norway/obos-ligaen/ham-kam-grorud-fyXu...	Ham-Kam	Grorud	1.51	4.25	5.20	TEAM1
1809	14:00	2021-05-25	/soccer/zambia/super-league/red-arrows-nkana-j...	Red Arrows	Nkana	1.61	3.35	5.48	TEAM1

In [23]:

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

Out[23]:

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

In [24]:

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

Out[24]:

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

OVER UNDER

In [25]:

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

```
dsp.daily_prediction_criterio(df_prediccion)
```

Out[25]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
2230	2021-05-25	03:00	basketball	usa	nba	Denver Nuggets	Portland Trail Blazers	231.5	1.6	100	0.609168

In [26]:

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

Out[26]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
405	2021-05-25	00:30	basketball	usa	nba	Milwaukee Bucks	Miami Heat	-5.0	1.9	100	0.407973
406	2021-05-25	03:00	basketball	usa	nba	Denver Nuggets	Portland Trail Blazers	-2.0	1.9	100	0.407540

NBA

In [27]:

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

Out[27]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
991	03:00	2021-05-25	/basketball/usa/nba/denver-nuggets-portland-tr...	Denver Nuggets	Portland Trail Blazers	1.76	0	2.08	0.528674
990	00:30	2021-05-25	/basketball/usa/nba/milwaukee-bucks-miami-heat...	Milwaukee Bucks	Miami Heat	1.48	0	2.70	0.580500

NBA CLUSTER FALLO

In [28]:

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

Out[28]:

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

NBA FALLO SIN FILTRO

In [29]:

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

Out[29]:

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

MLB FALLO

In [30]:

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

Out[30]:

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

NHL

In [31]:

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

Out[31]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
922	21:00	2021-05-25	/hockey/usa/nhl/carolina-hurricanes-nashville-...	Carolina Hurricanes	Nashville Predators	1.89	4.10	4.10	0.532111
919	01:00	2021-05-25	/hockey/usa/nhl/florida-panthers-tampa-bay-lig...	Florida Panthers	Tampa Bay Lightning	2.52	4.05	2.35	0.532259
917	00:00	2021-05-25	/hockey/usa/nhl/montreal-canadiens-toronto-map...	Montreal Canadiens	Toronto Maple Leafs	3.11	4.16	1.97	0.495685
918	00:00	2021-05-25	/hockey/usa/nhl/pittsburgh-penguins-new-york-i...	Pittsburgh Penguins	New York Islanders	2.16	3.96	2.81	0.580794
921	03:30	2021-05-25	/hockey/usa/nhl/vegas-golden-knights-minnesota...	Vegas Golden Knights	Minnesota Wild	1.92	4.14	3.24	0.613650
920	02:45	2021-05-25	/hockey/usa/nhl/winnipeg-jets-edmonton-oilers-...	Winnipeg Jets	Edmonton Oilers	2.56	4.03	2.32	0.569877

MLB

In [32]:

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

Out[32]:

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

SOCCER

In [33]:

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

Out[33]:

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

SOCCER CLUSTER FALLO

In [34]:

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

Out[34]:

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

SOCCKER EMPATE SECUENCIA

In [35]:

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

Out[35]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
770	18:00	2021-05-25	soccer/egypt_premier-league	Wadi Degla	El Gaish	3.70	3.01	1.99	1-El Gaish-0.48
768	17:45	2021-05-25	soccer/israel_leumit-league	MS Kafr Qasim	Hapoel Umm al-Fahm	3.33	3.10	2.08	3-MS Kafr Qasim-0.08
769	17:45	2021-05-25	soccer/israel_leumit-league	H. Akko	M. Nazareth	1.72	3.89	3.81	1-H. Akko-0.21

MILAN - más negativo -77

In [36]:

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

Out[36]:

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

In [37]:

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

Out[37]:

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

LIGA MX

In [38]:

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

Out[38]:

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

NFL

In [39]:

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

Out[39]:

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

HOCKEY

In [40]:

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

Out[40]:

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

Daily predictions machin3.

In [41]:

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

Out[41]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
795	19:00	2021-05-25	/soccer/england/national-league/altrincham-eas...	Altrincham	Eastleigh	3.96	3.48	1.79	TEAM2
796	19:45	2021-05-25	/soccer/england/national-league/barnet-maidenh...	Barnet	Maidenhead	2.56	3.52	2.39	TEAM2
797	19:45	2021-05-25	/soccer/england/national-league/kings-lynn-sol...	King's Lynn	Solihull Moors	3.87	4.22	1.65	TEAM2

Daily predictions machin6

Objetivo > .50 TEAM1 | Objetivo < .50 TEAM2

In [42]:

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

Out[42]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
8219	17:00	2021-05-25	/soccer/norway/obos-ligaen/ham-kam-grorud-fyXu...	Ham-Kam	Grorud	1.51	4.25	5.20	0.658944
8215	18:00	2021-05-25	/soccer/slovakia/fortuna-liga/zilina-sered-fRH...	Zilina	Sered	1.31	5.03	7.65	0.629326
8214	18:00	2021-05-25	/soccer/slovakia/fortuna-liga/z-moravce-vrable...	Z. Moravce-Vrable	Trencin	2.64	3.52	2.28	0.539458
8218	17:00	2021-05-25	/soccer/norway/obos-ligaen/jerv-stjordals-blin...	Jerv	Stjordals Blink	1.72	3.77	4.02	0.536291
		2021-	/soccer/world/club-friendly/rushall-		Haloswen				

8221	19:45	2021-05-25	/soccer/norway/obos-ligaen/strommen-bryne-tM6Q...	Rushall (Eng)	Strommen	2.29	3.38	2.79	0.525719
8216	17:00	2021-05-25	/soccer/norway/obos-ligaen/strommen-bryne-tM6Q...	Bryne	Bryne	2.29	3.38	2.79	0.515330
8217	17:00	2021-05-25	/soccer/norway/obos-ligaen/asane-raufoss-KC5US...	Asane	Raufoss	2.25	3.58	2.73	0.500359
8213	16:00	2021-05-25	/soccer/slovakia/fortuna-liga/banska-bystrica-...	Banska Bystrica	Senica	2.61	3.28	2.37	0.471023
8220	17:00	2021-05-25	/soccer/norway/obos-ligaen/ranheim-start-dAzum...	Ranheim	Start	2.28	3.43	2.89	0.446583

EXPERIMENTAL

Daily model 53

In [43]:

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

Out[43]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1934	17:45	2021-05-25	/soccer/israel/leumit-league/hapoel-akko-m-naz...	H. Akko	M. Nazareth	1.72	3.89	3.81	DRAW
1932	17:45	2021-05-25	/soccer/israel/leumit-league/ms-kafr-qasim-hap...	MS Kafr Qasim	Hapoel Umm al-Fahm	3.33	3.10	2.08	TEAM1

In [44]:

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

Out[44]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
9577	16:30	2021-05-25	/soccer/armenia/premier-league/ararat-yerevan-...	Ararat Yerevan	Alashkert	2.47	2.96	2.73	TEAM1
9583	17:45	2021-05-25	/soccer/israel/leumit-league/hapoel-akko-m-naz...	H. Akko	M. Nazareth	1.72	3.89	3.81	DRAW
9579	17:45	2021-05-25	/soccer/israel/leumit-league/ms-kafr-qasim-hap...	MS Kafr Qasim	Hapoel Umm al-Fahm	3.33	3.10	2.08	TEAM1

Daily predictions machin4 EMPATE

In [45]:

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

Out[45]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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Daily predictions machin5

In [46]:

In [45]:

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

Out[46]:

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

In []: