

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.correccion_horario(df)
```

Out[2]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
15	13:00	14/04/2021	soccer/faroe-islands_premier-league	HB Torshavn	IF Fuglafjordur	1.09	8.54	20.10	1-HB Torshavn--0.62
16	13:00	14/04/2021	soccer/faroe-islands_premier-league	Vikingur	Klaksvik	5.38	4.17	1.49	2-Klaksvik--3.16

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.correccion_horario(df)
```

Out[3]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
28	13/04/2021	20:00	basketball	usa	nba	Utah Jazz	Oklahoma City Thunder	221.5	1.58	100	UNDER
29	13/04/2021	21:00	basketball	usa	nba	Portland Trail Blazers	Boston Celtics	229.5	1.57	100	OVER

In [4]:

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

Out[4]:

hora	date	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	Rating	auc
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In [5]:

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

Out[5]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
664	14/04/2021	11:30	soccer	germany	2-bundesliga	VfL Osnabruck	Regensburg	X2	2.46	100.0
665	14/04/2021	11:30	soccer	germany	2-bundesliga	Holstein Kiel	Hannover	X2	3.31	217.0

## NHL CLUSTER FALLO

In [6]:

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

Out[6]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
351	0:0	2021-04-14	hockey/usa_nhl	Dallas Stars	Florida Panthers	2.62	4.04	2.34	1
352	0:0	2021-04-14	hockey/usa_nhl	Montreal Canadiens	Calgary Flames	2.06	4.33	3.06	2
353	0:0	2021-04-14	hockey/usa_nhl	Nashville Predators	Tampa Bay Lightning	3.33	4.30	1.93	1

## TAN!! SPECIAL SELECTION

In [7]:

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

Out[7]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
2207	13:00	14/04/2021	/soccer/faroe-islands/premier-league/hb-torsha...	HB Torshavn	IF Fuglafjordur	1.09	8.54	20.1	TEAM1

In [8]:

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

Out[8]:

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

In [9]:

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

Out[9]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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146	01:00	2021-04-14	/basketball/usa/nba/charlotte-hornets-los-ange...	Charlotte Hornets	Los Angeles Lakers	team1_odds	draw_odds	team2_odds	objetivo
147	03:00	2021-04-14	/basketball/usa/nba/portland-trail-blazers-bos...	Portland Trail Blazers	Boston Celtics	1.82	0.00	2.03	0.531484
145	09:00	2021-04-14	/soccer/taiwan/premier-league/cpc-corporation-...	CPC	Red Lions	1.68	4.34	4.10	0.341415

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

In [10]:

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

Out[10]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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**Premium**

In [11]:

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

Out[11]:

	date	hora	sport	area	league	team1	team2	objetivo	outcome	odd	m_criterio
1243	2021-04-14	17:30	soccer	germany	2-bundesliga	VfL Osnabruck	Regensburg	X2	1.000000	2.46	100
1244	2021-04-14	00:07	baseball	usa	mlb	Toronto Blue Jays	New York Yankees	UNDER	0.572515	1.90	100
1245	2021-04-14	00:30	basketball	usa	nba	Indiana Pacers	Los Angeles Clippers	OVER	0.940026	1.90	100
1246	2021-04-14	00:30	basketball	usa	nba	Toronto Raptors	Atlanta Hawks	OVER	0.708973	1.90	100
1247	2021-04-14	01:00	basketball	usa	nba	Charlotte Hornets	Los Angeles Lakers	OVER	0.859623	1.90	100
1248	2021-04-14	03:00	basketball	usa	nba	Phoenix Suns	Miami Heat	OVER	0.614164	1.90	100
1249	2021-04-14	03:00	basketball	usa	nba	Portland Trail Blazers	Boston Celtics	OVER	0.589368	1.90	100

**Criterio**

In [12]:

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

Out[12]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
1280	2021-04-14	17:30	soccer	austria	2-liga	Liefering	Austria Vienna II	TEAM1	1.56	248
1281	2021-04-14	12:00	soccer	kazakhstan	premier-league	Tobol	Kaisar Kyzylorda	TEAM1	1.42	126
1282	2021-04-14	20:00	soccer	saudi-arabia	division-1	Al-Hazem	Al-Shoalah	TEAM1	1.48	187
1283	2021-04-14	13:30	soccer	tunisia	ligue-professionnelle-1	Sfaxien	Olympique Beja	TEAM1	1.54	234
1279	2021-04-14	00:00	hockey	usa	nhl	Boston Bruins	Buffalo Sabres	TEAM1	1.50	204

In [13]:

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

Out[13]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1473	00:00	2021-04-14	/hockey/usa/nhl/boston-bruins-buffalo-sabres-n...	Boston Bruins	Buffalo Sabres	1.50	5.12	5.24	TEAM1
1474	17:30	2021-04-14	/soccer/austria/2-liga/fc-liefering-austria-vi...	Liefering	Austria Vienna II	1.56	4.04	5.32	TEAM1
1475	12:00	2021-04-14	/soccer/kazakhstan/premier-league/tobol-kaisar...	Tobol	Kaisar Kyzylorda	1.42	4.01	7.16	TEAM1
1476	20:00	2021-04-14	/soccer/saudi-arabia/division-1/al-hazem-rass-...	Al-Hazem	Al-Shoalah	1.48	3.99	5.59	TEAM1
1477	13:30	2021-04-14	/soccer/tunisia/ligue-professionnelle-1/sfaxie...	Sfaxien	Olympique Beja	1.54	3.83	5.46	TEAM1

In [14]:

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

Out[14]:

date	hora	sport	area	league	team1	team2	objetivo	odd	m_criterio
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In [15]:

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

Out[15]:

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

In [16]:

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

Out[16]:

	date	hora	sport	area	league	team1	team2	objetivo	odd	criterio	outcome
1366	2021-04-14	00:07	baseball	usa	mlb	Toronto Blue Jays	New York Yankees	11.0	1.44	100	0.572515
1367	2021-04-14	00:20	baseball	usa	mlb	Atlanta Braves	Miami Marlins	10.0	1.35	100	0.790941
1368	2021-04-14	00:40	baseball	usa	mlb	Milwaukee Brewers	Chicago Cubs	9.5	1.38	100	0.737954
1369	2021-04-14	01:10	baseball	usa	mlb	Houston Astros	Detroit Tigers	11.0	1.38	100	0.712906
1370	2021-04-14	01:10	baseball	usa	mlb	Kansas City Royals	Los Angeles Angels	10.5	1.46	100	0.195423
1371	2021-04-14	02:45	baseball	usa	mlb	San Francisco Giants	Cincinnati Reds	9.5	1.38	100	0.794048
1372	2021-04-14	00:30	basketball	usa	nba	Indiana Pacers	Los Angeles Clippers	238.0	1.59	100	0.940026
1373	2021-04-14	00:30	basketball	usa	nba	Toronto Raptors	Atlanta Hawks	229.5	1.59	100	0.708973

id	date	hora	sport	area	league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo	critero	outcome
1374	2021-04-14	02:00	basketball	usa	nba	Charlotte Hornets	Los Angeles Lakers	2.11	1.56	1.90	0.546537	100	0.546537
1375	2021-04-14	02:00	basketball	usa	nba	Utah Jazz	Oklahoma City Thunder	226.5	1.58	100	0.543133		
1376	2021-04-14	03:00	basketball	usa	nba	Phoenix Suns	Miami Heat	222.5	1.56	100	0.614164		
1377	2021-04-14	03:00	basketball	usa	nba	Portland Trail Blazers	Boston Celtics	234.5	1.57	100	0.589368		
1378	2021-04-14	00:00	hockey	usa	nhl	Boston Bruins	Buffalo Sabres	6.5	1.41	100	0.650965		
1379	2021-04-14	00:00	hockey	usa	nhl	Washington Capitals	Philadelphia Flyers	7.0	1.36	100	0.689912		
1380	2021-04-14	00:00	hockey	usa	nhl	Washington Capitals	Philadelphia Flyers	7.0	1.43	100	0.716183		

## NBA

In [17]:

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

Out[17]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
707	01:00	2021-04-14	/basketball/usa/nba/charlotte-hornets-los-ange...	Charlotte Hornets	Los Angeles Lakers	1.94	0	1.90	0.546537
705	00:30	2021-04-14	/basketball/usa/nba/indiana-pacers-los-angeles...	Indiana Pacers	Los Angeles Clippers	2.34	0	1.64	0.414170
709	03:00	2021-04-14	/basketball/usa/nba/phenix-suns-miami-heat-xY...	Phoenix Suns	Miami Heat	1.61	0	2.41	0.624986
710	03:00	2021-04-14	/basketball/usa/nba/portland-trail-blazers-bos...	Portland Trail Blazers	Boston Celtics	1.82	0	2.03	0.531484
706	00:30	2021-04-14	/basketball/usa/nba/toronto-raptors-atlanta-ha...	Toronto Raptors	Atlanta Hawks	2.09	0	1.78	0.390346
708	02:00	2021-04-14	/basketball/usa/nba/utah-jazz-oklahoma-city-th...	Utah Jazz	Oklahoma City Thunder	1.06	0	11.10	0.747374

## NBA CLUSTER FALLO

In [18]:

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

Out[18]:

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

In [19]:

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

Out[19]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
457	0:0	2021-04-14	basketball/usa_nba	Phoenix Suns	Miami Heat	1.62	0	2.37	2

## NHL

IIII

In [20]:

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

Out[20]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
660	00:00	2021-04-14	/hockey/usa/nhl/boston-bruins-buffalo-sabres-n...	Boston Bruins	Buffalo Sabres	1.50	5.12	5.24	0.615089
665	01:30	2021-04-14	/hockey/usa/nhl/dallas-stars-florida-panthers-...	Dallas Stars	Florida Panthers	2.60	4.05	2.35	0.548822
664	01:00	2021-04-14	/hockey/usa/nhl/nashville-predators-tampa-bay-...	Nashville Predators	Tampa Bay Lightning	3.31	4.29	1.93	0.560977
662	00:00	2021-04-14	/hockey/usa/nhl/new-jersey-devils-new-york-ran...	New Jersey Devils	New York Rangers	3.45	4.35	1.86	0.454930
663	00:30	2021-04-14	/hockey/usa/nhl/toronto-maple-leafs-calgary-fl...	Toronto Maple Leafs	Calgary Flames	1.98	4.45	3.08	0.683484
661	00:00	2021-04-14	/hockey/usa/nhl/washington-capitals-philadelph...	Washington Capitals	Philadelphia Flyers	1.95	4.41	3.17	0.672189

MLB

In [21]:

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

Out[21]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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SOCCER

In [22]:

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

Out[22]:

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

In [23]:

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

Out[23]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
176	0:0	2021-04-14	soccer/england_premier-league	Liverpool	Real Madrid	2.00	3.97	3.52	2
177	0:0	2021-04-14	soccer/germany_bundesliga	Dortmund	Manchester City	5.06	4.36	1.64	1

SOCCER FUTURE SCHEDULE

## SOCCER EMPATE SECUENCIA

In [24]:

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

Out[24]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
499	13:30	2021-04-14	soccer/armenia_premier-league	Alashkert	Urartu	2.04	2.98	3.62	4-Urartu-0.06
498	13:00	2021-04-14	soccer/syria_premier-league	Al Wahda	Foutoua	2.37	3.45	2.59	1-Al Wahda-0.17

## MILAN - más negativo -77

In [25]:

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

Out[25]:

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

In [26]:

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

Out[26]:

hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
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## LIGA MX

In [27]:

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

Out[27]:

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

In [28]:

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

Out[28]:

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

In [29]:

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

Out[29]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
299	17:30	2021-04-14	/hockey/germany/del/eisbaren-berlin-nurnberg-i...	Eisbaren Berlin	Nurnberg Ice Tigers	1.37	5.76	6.12	0.689667
300	19:30	2021-04-14	/hockey/germany/del/kolner-haie-straubing-tige...	Kolner	Straubing Tigers	2.61	4.27	2.22	0.519779

## Daily predictions machin3.

In [30]:

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

Out[30]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
664	17:00	2021-04-14	/soccer/czech-republic/1-liga/jablonec-sparta-...	Jablonec	Sparta Prague	3.46	3.55	2.04	TEAM1
663	15:00	2021-04-14	/soccer/czech-republic/1-liga/plzen-zlin-21Emg...	Plzen	Zlin	1.29	5.48	9.65	TEAM1

## Daily predictions machin6

Objetivo > .50 TEAM1 | Objetivo < .50 TEAM2

In [31]:

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

Out[31]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
7038	19:00	2021-04-14	/soccer/faroe-islands/premier-league/hb-torsha...	HB Torshavn	IF Fuglafjordur	1.09	8.54	20.10	0.742795
7040	01:00	2021-04-14	/soccer/world/club-friendly/chattanooga-la-for...	Chattanooga (Usa)	LA Force (Usa)	1.77	3.72	3.93	0.525719
7039	19:00	2021-04-14	/soccer/faroe-islands/premier-league/vikingur-...	Vikingur	Klaksvik	5.38	4.17	1.49	0.468130

# EXPERIMENTAL

## Daily model 53

In [32]:

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



```
dsp.daily_prediction(df_prediccion)
```

Out[32]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
1172	17:00	2021-04-14	/soccer/czech-republic/1-liga/jablonec-sparta-...	Jablonec	Sparta Prague	3.46	3.55	2.04	TEAM2

In [33]:

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

Out[33]:

	hora	date	area_league	team1	team2	team1_odds	draw_odds	team2_odds	objetivo
7621	13:30	2021-04-14	/soccer/armenia/premier-league/alashkert-urartu...	Alashkert	Urartu	2.04	2.98	3.62	TEAM1
7620	11:30	2021-04-14	/soccer/armenia/premier-league/van-pyunik-yerevan...	Van	Pyunik Yerevan	2.35	2.95	2.99	TEAM1
7624	17:00	2021-04-14	/soccer/czech-republic/1-liga/jablonec-sparta-...	Jablonec	Sparta Prague	3.46	3.55	2.04	TEAM2
7626	17:30	2021-04-14	/soccer/germany/2-bundesliga/vfl-osnabruck-regensburg...	VfL Osnabruck	Regensburg	2.94	3.24	2.46	DRAW

## Daily predictions machin4 EMPATE

In [34]:

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

Out[34]:

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

In [35]:

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

Out[35]:

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