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FACULTAD DE  
**INGENIERÍA**

**Universidad Nacional de Cuyo**

FACULTAD DE INGENIERÍA

# PREDICCIÓN DE PRECIOS DE CRIPTOMONEDAS CON ARIMA Y PROPHET

*Proyecto Final: Anexo III*  
*Inteligencia Artificial I*

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**Gráficos de periodo mensual y semanal aleatorios con Prophet**

Métrica	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
MAE	26.32	1815	355.1	137.0	93.29	36.97	1234	20.45	493.7	410.3
RMSE	26.32	1815	355.1	137.0	93.29	36.97	1234	20.45	493.7	410.3
MAPE	0.154	0.452	0.089	0.485	0.164	0.054	0.340	0.108	0.144	0.106

Cuadro 1: Métricas de la figura 1

Métrica	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
MAE	250.6	201.6	364.2	19618	557.8	2882	401.7	1355	3486	68112
RMSE	336.3	242.7	476.9	27536	779.5	4009	509.8	1879	4907	95783
MAPE	1.809	1.171	1.385	10.81	4.934	9.370	0.963	3.650	14.51	19.07

Cuadro 2: Métricas de la figura 2

Métrica	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
MAE	0.001	0.020	0.183	0.008	0.041	0.621	0.024	0.476	0.658	0.015
RMSE	0.001	0.020	0.183	0.008	0.041	0.621	0.024	0.476	0.658	0.015
MAPE	0.009	0.336	1.553	0.094	0.282	0.343	0.314	0.345	0.563	0.091

Cuadro 3: Métricas de la figura 3

Métrica	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
MAE	0.354	23.34	0.085	0.011	14.69	0.176	0.673	0.150	0.215	0.227
RMSE	0.495	32.89	0.114	0.012	20.74	0.242	0.476	0.211	0.295	0.294
MAPE	11.83	14.38	1.204	0.291	5.300	4.000	5.823	4.354	1.023	2.027

Cuadro 4: Métricas de la figura 4

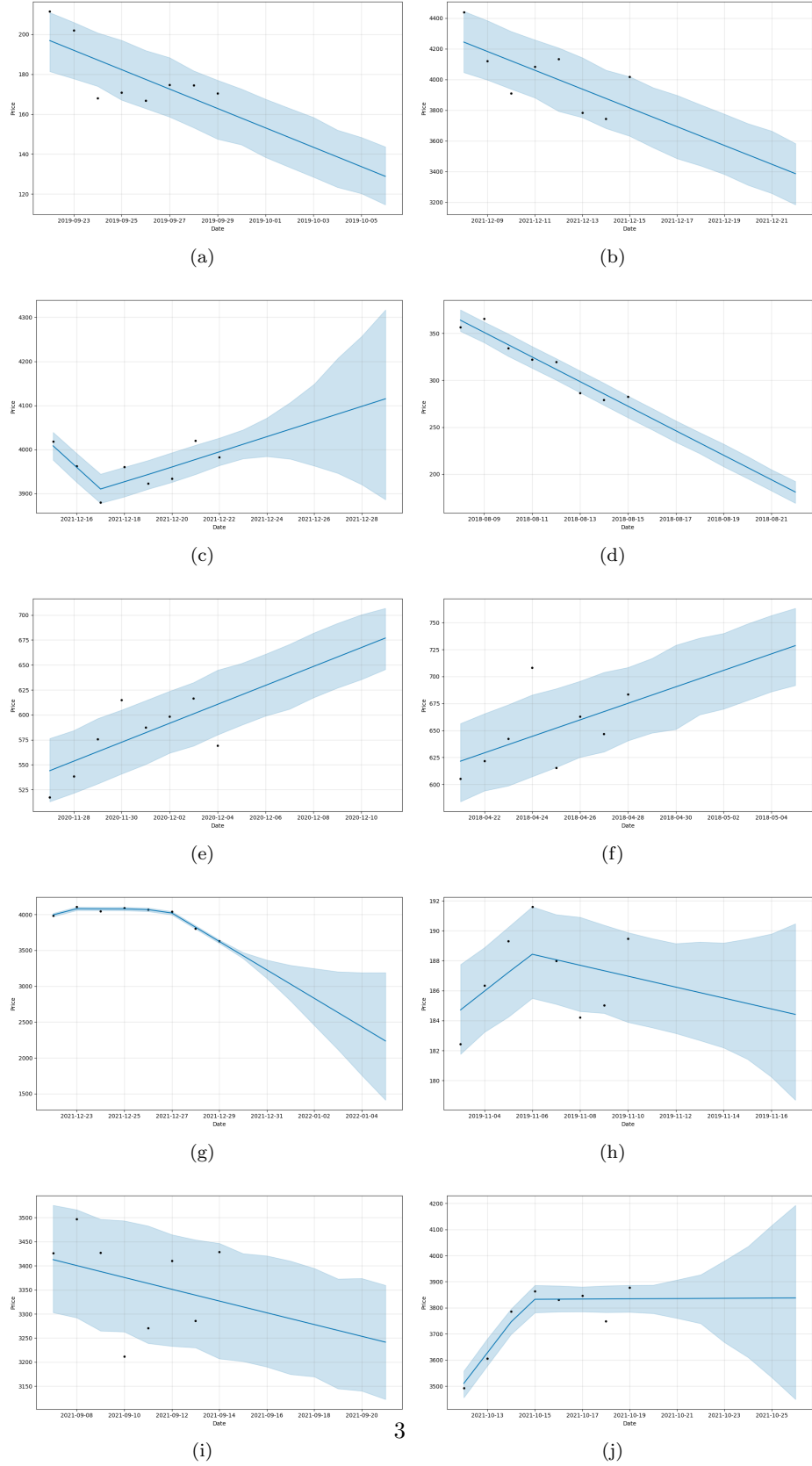


Figura 1: Predicción del modelo entrenado con 10 semanas aleatorias de ETH

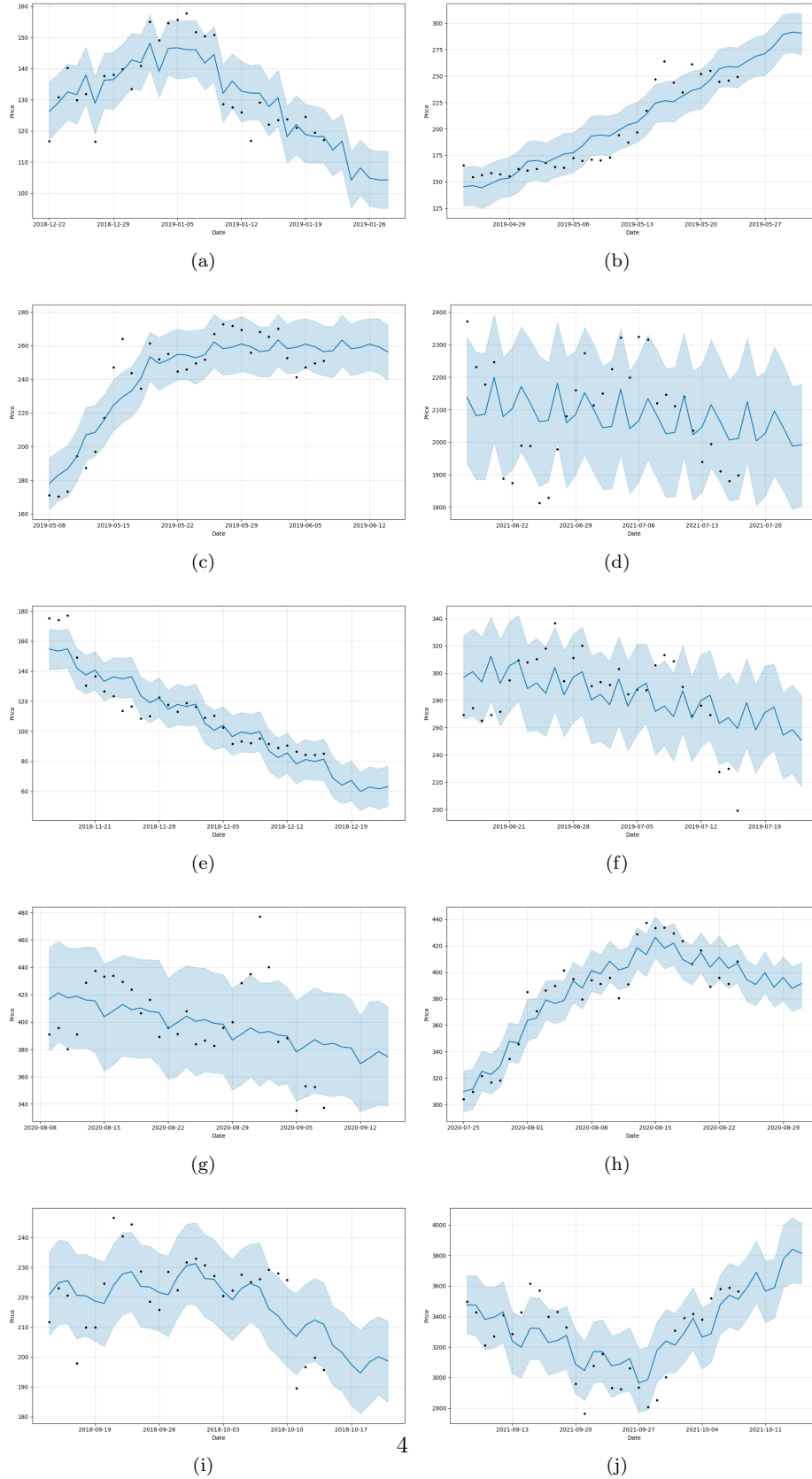
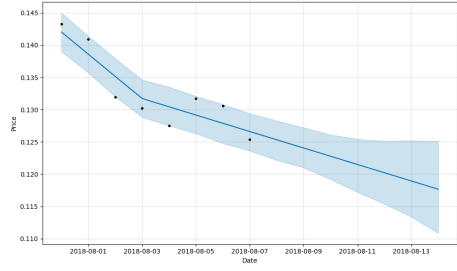
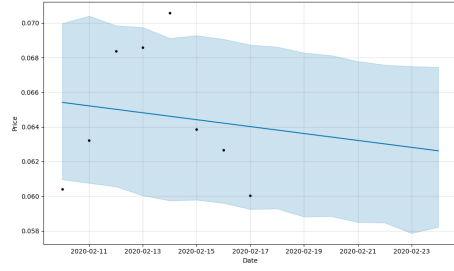


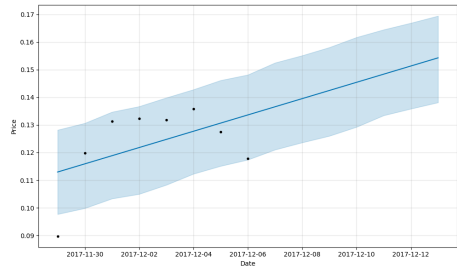
Figura 2: Predicción del modelo entrenado con 10 meses aleatorios de ETH



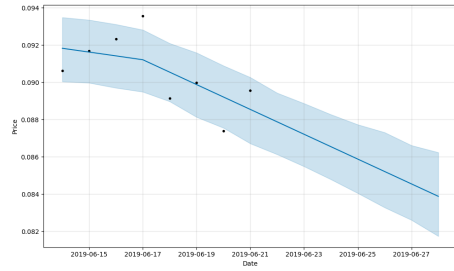
(a)



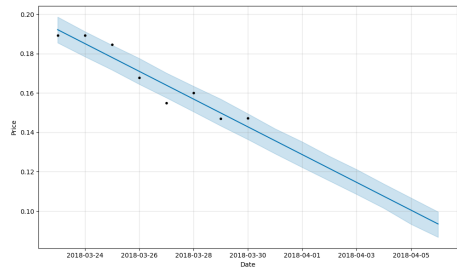
(b)



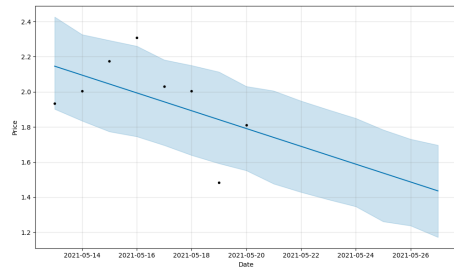
(c)



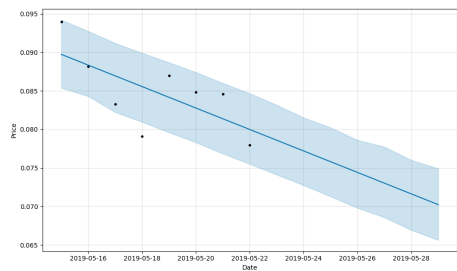
(d)



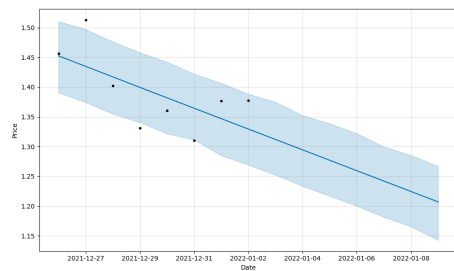
(e)



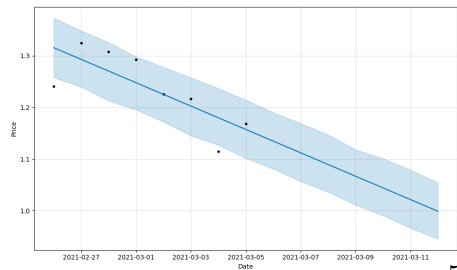
(f)



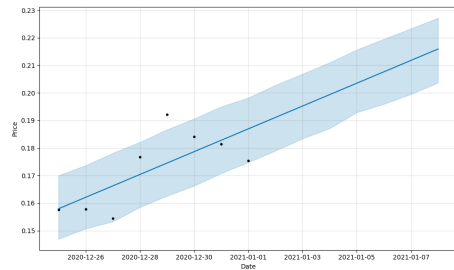
(g)



(h)



(i)



(j)

Figura 3: Predicción del modelo entrenado con 10 semanas aleatorias de ADA

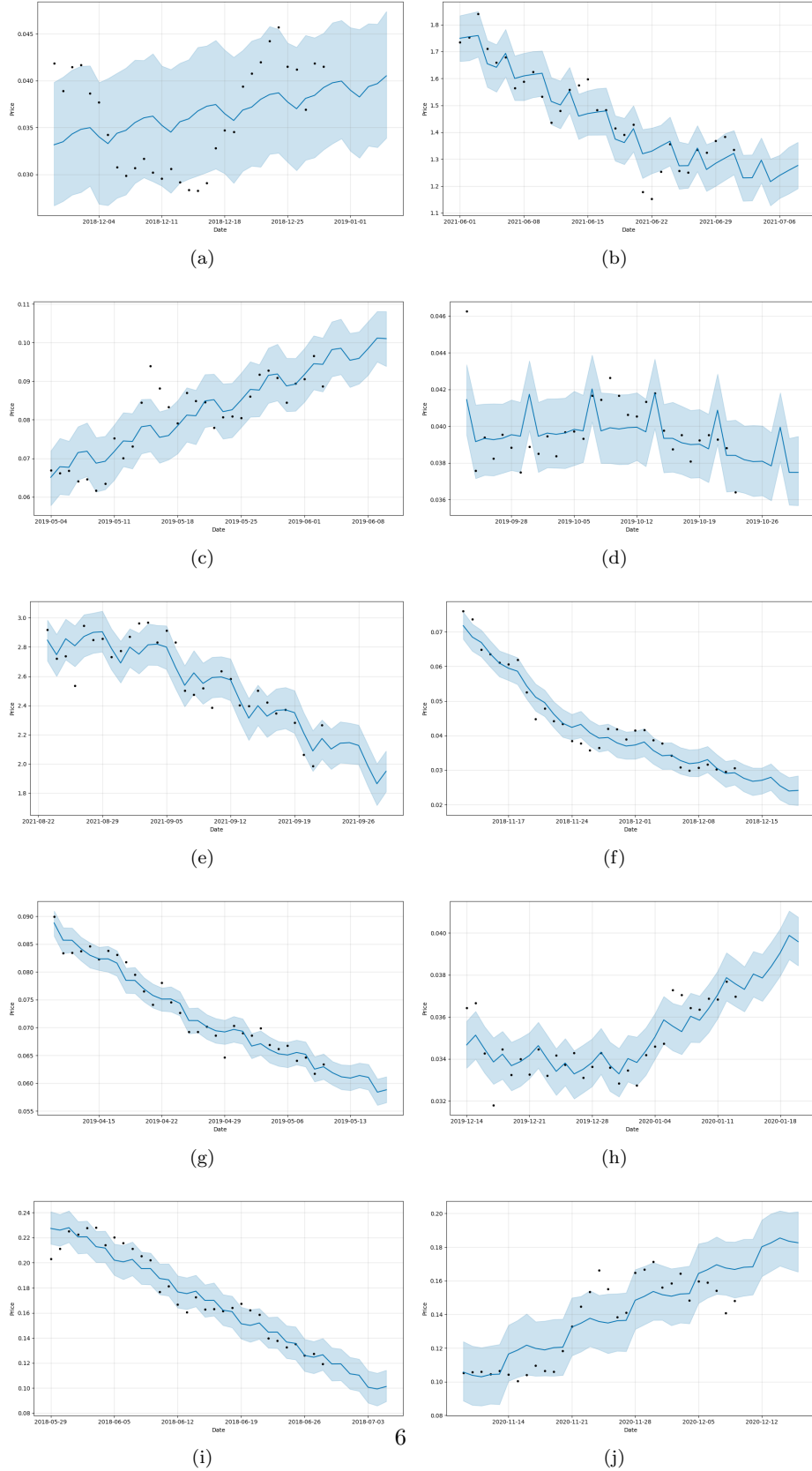


Figura 4: Predicción del modelo entrenado con 10 meses aleatorios de ADA