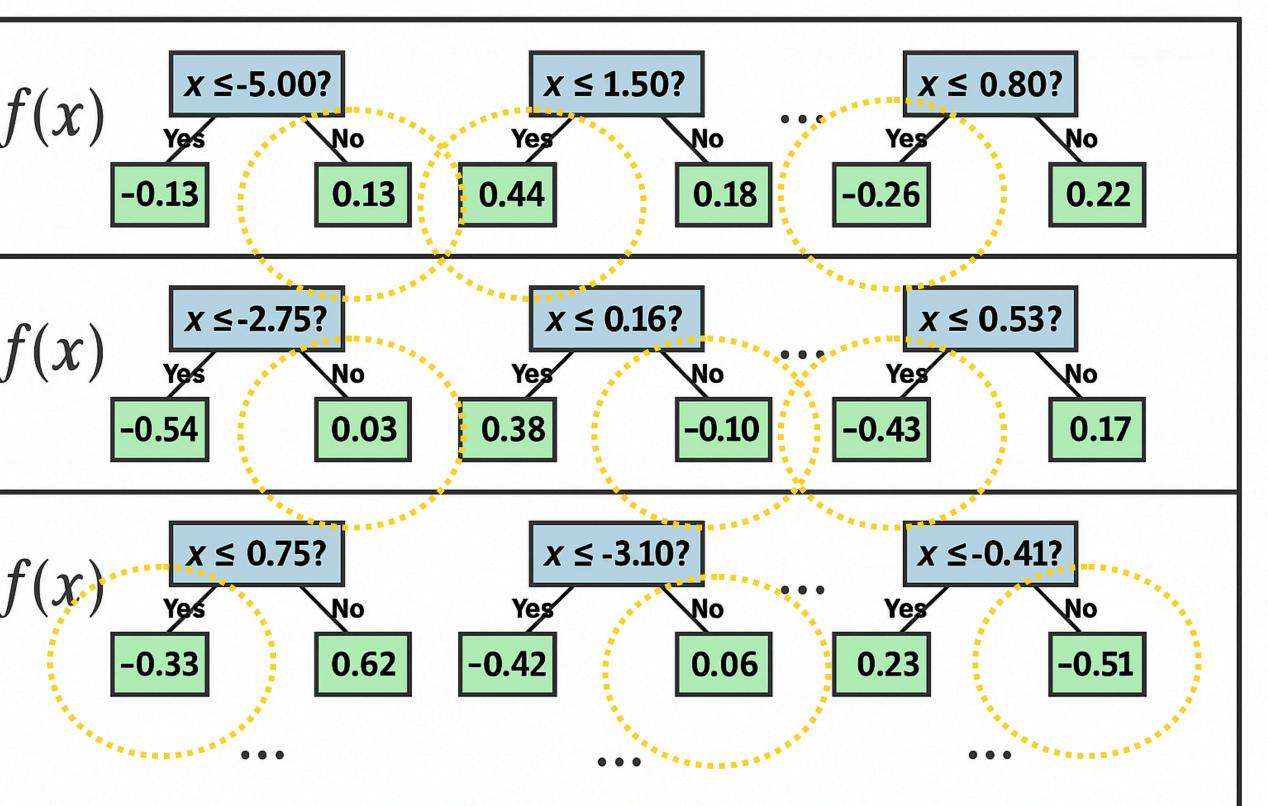
Can only predict at supplied prediction points.

$$x=0.4$$



$$f(x) = 0.13 + 0.44 - 0.26$$
  
= 0.31

$$f(x) = 0.03 - 0.10 - 0.43$$
  
= -0.50

$$f(x) = -0.33 + 0.06 - 0.51$$
  
= 0.24

GOAL: Over next two classes and some time outside of class, make a notebook (several notebooks) or Python project in any IDE with text and code describing your minimally viable product that executes the below workflow. Provide justification as text cells in your notebook or comments. Submissions accepted as pull requests to your students folder on github.

CLONE REPOSITORY TO GET DATA

https://github.com/flyaflya/ fsan830spring2025.git

githubFolderNames

CHURCHILL DOWNS
May 2023 PP & Results
(18 Race Dates)

Horse Racing Data - xml for training



Horse Racing Data - data for race to predict

CHURCHILL DOWNS 10
Race Outcomes on April
26, 2025

rawDataForPrediction



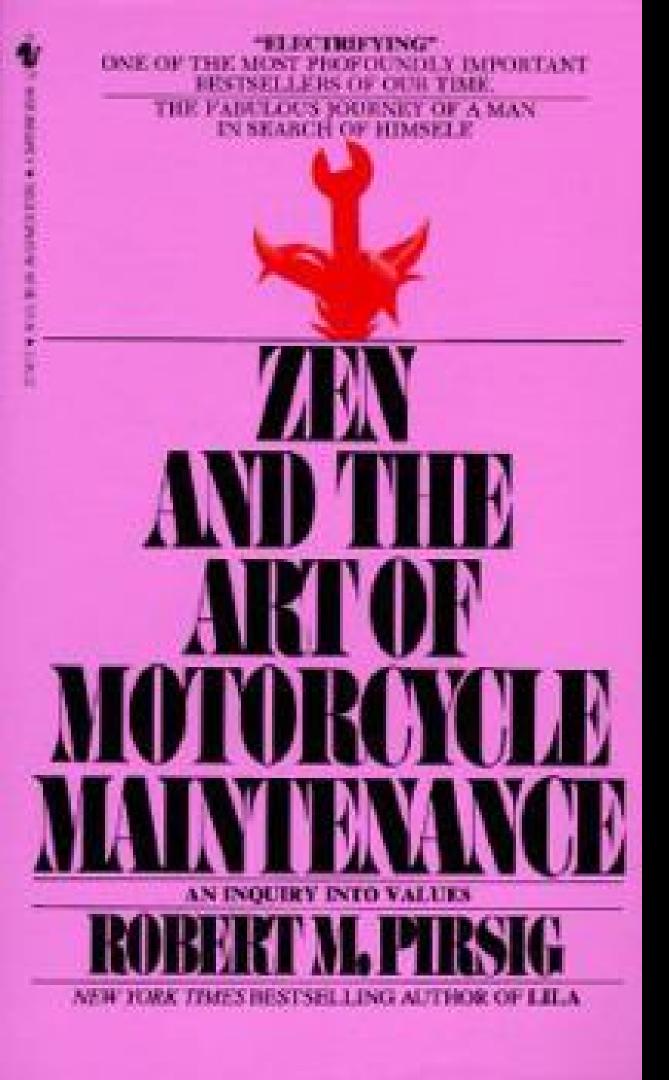
PYMC-BART MODEL



CHURCHILL DOWNS April 26, 2025

PREDICT Winner? Winning Time?
Order of Finishers?
Something else we can use to make a win, place, show, or exacta bet?
(hint: you might need an inverse link function or some other variable transformation)

rawDataForTraining



A student in the narrator's class is unable to write a paper. She's been assigned to write about her town, Bozeman, Montana, but she insists there's nothing to say—she simply can't begin. The narrator advises her to narrow her focus. He suggests:

"Narrow it down to the main street of Bozeman. That's still too much. Narrow it down to one building. That's still too much. Narrow it down to the front of the building. Still too much. Narrow it down to one brick on the building."

At first, she's baffled. A single brick? But the next day she returns, amazed. Once she focused on that single brick, the words began to flow. She wrote pages and pages.

CHATGPT Summary of Brick Story from Zen and The Art of Motorcycle Maintenance

DEEPER MEANING: The paralysis she felt was a result of too broad a scope—too many options, too much pressure.

1 Red 4/1

30/1

3 Blue

8/1

05Jun24Btp<sup>3</sup> 18May24Btp<sup>3</sup>

J/T Meet: (0 .00 +\$0.00)

05Jan24TP2 @ 61/2 ft 41112 Clm16000

19Apr Ttc 4f ft :504 B 27/35 09Apr Ttc 4f ft :51 B 52/73 22Mar Ttc 4f ft :521 B 24/27

J/T L365: (39 .10 +\$0.51)

109 80 81/ 73 67 3 861 1073 711 811 MojicaO120

8.6 PadvsHsnk 10

★ 19% trainer: Shipper

DATE TRK DIST 04Apr25OP<sup>2</sup> 6f 08Mar25OP<sup>5</sup> 6f

23Jan25OP6

04Jan25OP4

18Aug24Sar<sup>5</sup> 31Jly24Del<sup>6</sup> 14Jly24Mth<sup>6</sup>

26May24Baq2

20Apr24Aqu<sup>7</sup> 30Mar24Aqu<sup>2</sup>

★ Highest speed figure at today's distance

6f ft

RR RACETYPE

34112 Clm20000b 44113 Clm30000n1y

44116 OC80k/b-N

1m ft 4<sup>117</sup> OC62.5k/n2x 1m ft 4<sup>115</sup> OC62.5k/n2x

6f ft 44113 Clm30000/25

7f my 41114 Clm50000 6f ft<sup>S</sup> 31115 OC32k-N 6f ft 31115 OC40k-N

Never threatened the leaders in last start

9611021

FIN JOCKEY 573 CchSlJr118

761 716 VzgzRA120

691 615 CchSlJr121 341 361 CchSlJr121 CchSlJr121

321 331 FrncMnl118 31 43 CchSlJr120 2hd 1nk CchSlJr118

PstnAnK<sup>109</sup> SntnRrJr<sup>118</sup>

CchSl.lr115

CchSlJr118

**ODDS Winner L**b 19.1 Sitka14

Lb 18.2 Pavnedh

Lb 23 7 NlsonAvn11 8

5.5eSynthesisnk

Lb 8.7 Spikzon<sup>4</sup> Lb 1.2 AlpnTndr<sup>1</sup>

Lb 44 Gunlt2

FIRvDrad2 11

5.8 13.4

CR E1 E2/ LP SPD PP 1C 113 77 84/ 89 **80** 5 681 114 79 80/ 96 **84** 1 118 113 89 86/ 91 **84** 6 953

86/ 67

96/ 90 98/ 81

83 1 114 105 69 2 78 87

68 4 633 651 85 3 22 322

1 1½ 7 1hd

**92** 3 22

95

871

311 1hd

113 84 83/ 92

111 81

112 88

113 85 92/ 86

116 88

116 94 98/ 81 117 97 104/85

Has not raced for more than 2 months

**ODDS Winner** 

RR RACETYPE CR E1 E2/ LP SPD PP 1C 2C Str FIN JOCKEY

| DATE | HK DIST | HH HACETITE | CH ET EZ | ET STD FT | 10 20 30 | Fill 300AE2| | Lb 3.3 AtBAnthn2 10 | Claimed from Sandin Syndicate Stable LLC Morey William E Trainer (as of 01/01/2025): [014 61-42-44 193], Olyan25TP4 | Dim ft | 44109 Cm5000bc | 109 87 68/ 97 80 1 62/ 85 4 842 673 Felix LET 20 | Lb 3.7 StrShpng4211 | 300C42CD6 | Th ft | 34110 Cm12500 | 119 80 85/ 68 73 3 31 572 ChisGrd122 | Lb 6.4 Sankhtm32 | Sankhtm32 | Chiscology | Chiscol

26Oct23Pid8 @ 1% ft 3+111 Alw32000n1x 105 83 65/ 35 48 7 311 126 12181227 MrtnzGIA119 Lb 22.6 StrspEpr2 12

19Apr CD 5f ft 1:02¹ B 44/56 13Apr CD 4f ft :48⁴ B 21/55 12Mar Cdt 5f ft 1:05² B 8/8 J/T Meet: (0 .00 +\$0.00) J/T L365: (110 .32 -\$0.06)

DATE TRK DIST

64 Ready Pursuit 64 Improbable Story

57 Coyote Road

75 Where Is Lisa

72 Ready Pursuit

**NA Synthesis** 

108.0 Where Is Lisa

**NA Synthesis** 

**NA Coyote Road** 

74 Coyote Road 71 I Am the Game

71 Noahs Ark

																						00 01/0	,, 02
RACETYP CD 3up CLM 10000		·9.0f			# Races 12	Win <sup>4</sup>	FAVOF % ITM 75%	%	\$ \$2 <b>ROI</b> +0.40			rage Size .4		Medi Win F \$9.		2 ff		Vinne < 5/1 67%	rs	% Win >=5/1	< 10/1	% \ :	Winners > 10/1 17%
								Tra	ack Bi	as S	Stat	S											
Dirt 8.0f # Races: 52 %Wire: 23%		Spe	IEET Total eed Bias: 7 9/12 - 12/0	5%			WnrAvç 1stCall: 2ndCall	2.0			Dirt 8 # Rac %Wir	es: 12				Spe		Totals as: 50 12/01			1st(	rAvgBL Call: 2.1 ICall: 1.	
Runstyle:		i	Early E +	Ė	eed :/P -+	Late P		Spe S	ed		Runst	tyle:					Early E ++		Speed E/P		Late P +	Spe	eed S
Impact Values: %Races Won			1.18 35%		.60 0%	0.55 10%		0.6 15%			Impac %Rac						1.27 42%		0.39 8%		1.29 25%	0.9 25	
Post Bias:		ŀ	RAIL	1	-3	4-7 +		8+ +			Post I	Bias:				F	RAIL		1-3		4-7 +	8	+
Impact Values: Avg Win %			0.77 10%		.72  %	1.16 14%		1.2 129			Impad Avg V						0.00 0%		0.44 6%		1.61 20%	0.5 5°	
								R	ace Sı	ımn	nary	<i>'</i>											
# Horse Name	ML Med Odds Eqp	Days Since L/R	P Run T Style S	P	vg Dist/Su ACE-SPE E2/Late	ED	Avg Race Rting		t Pace E2/Late	Sp1	Final Sp2	Spee Sp3		ACL	Rcg Spd Avg	R1	R2	R3	Mud Spd	Pedigr Mud Sts	ee Stat % Mud	s Sire AWD	Dam Sire's AWD
1 Tiberius Mercurius 7 Synthesis	4/1 L 7/2 L	28 22	++E/P 6 ++E/P 3	88 90	84/ 95 * 93/ 83 (	89* 87)	112 116	90	92/100	81 80	82. 84	90. 84	87. 83	112.4 (113.9)	84 83	113 115	112 112	113 113	80	1351 1557	13 16	6.8 6.8	7.5 7.5
5 Peruvian Lucky 3 Coyote Road 11 Noahs Ark	5/1 <b>L</b> 8/1 20/1 <b>L</b>	57 127 28	++E/P 4 ++E/P 3 ++E/P 3	86 84 77	88/ 76 * 86/ 70 ( 78/ 82 *	77)	112 111 111	92 88 91	92/ 77 87/ 94 93/ 92	79. 57. 72.	80. 73 76.	74 77. 79.	81. 80. 76.	112.2 110.8 111.3	69	112	112 112 112	110		1220 1376 70	14 16 11	7.5 7.4 7.5	6.6 6.9 6.6
8 Hoodlum 9 I Am the Game 10 Metatron's Muse	3/1 L 15/1 L 8/1 L	68 28 84	++E/P 4 P 3 ++E/P 4	84 79 76	84/ 70 ( 79/ 74 * 65/ 88 (	74*	114 109	90 84 87	97/ 96 82/ 93 85/ 97	72T 73. 65.	75. 79. 80.	85. 68. 76	85 70. 73.	114.0 108.9 109.6	73	111 111 110			85	1048 333 2583	15 15 18	7.5 7.2 6.9	6.8 7.1 7.6
4 Ready Pursuit 6 Improbable Story	8/1 L 15/1 L 20/1 L	30 10	S 4 S 2	72 67	70/ 82 74/ 74 *	72	109 108 112	86 88	81/ 84 82/102	64 64	80 71.	73 69.	72. 78	(109.6) 110.7	72	111 111 110	109 112	110 112	81	659 589	13 14	6.5 6.5	7.0 7.1
2 Where Is Lisa	30/1 L	38	++E/P 5	78	74/ 78 *	66*	109	98	87/ 90	73	62.	66.	23.	107.7	67	108	110	108		300	17	6.8	6.8
Speed Last Race	e Back	Spe	ed	C	urrent	Clas	ss	A۱	/erage ass La	st 3		Pr	ime	Powe	r			Pac Rac			Late F Last F		
81 Tiberius Mercurius 80 Synthesis 79 Peruvian Lucky 73 Where Is Lisa 73 I Am the Game	80 Synthesis 85 Hoodlum 113.2 Peruvian Lucky 113.4 Syr 79 Peruvian Lucky 82 I Am the Game 112.0 Noahs Ark 112.8 Per 73 Where Is Lisa 81 Peruvian Lucky 111.9 Hoodlum 112.0 Hoo				4 Synthe 8 Peruvia	sis an Luc m		120. 120. 119.	3 Syn 1 Per 2 Hoo	erius Me othesis uvian Lu odlum ahs Ark		8	37 Wh 34 Syi 77 Ho	ruvian nere Is nthesi odlum ady P	s I		78 Whe 78 Rea	thesis obable ere Is Lis dy Purs atron's M	sa uit				
72 Hoodlum 72 Noahs Ark 65 Metatron's Muse	B I Am the Game 2 Hoodlum 81 Noahs Ark 111.1 I Mprobable Story 111.1 I Am the Game 110.9 I A 2 Noahs Ark 80 Coyote Road 109.2 Metatron's Muse 110.1 Co				9 I Am th 8 Ready 1 Coyote	e Gar Pursu	iit	115. 111.	6 I Ar 9 Met	n the Ga tatron's I ote Roa	Muse	7	71 lmp 71 l A	orobal	ble Sto Game	ry	77 Peru 77 Hoo 74 Tibe	ıvian Lu	cky rcurius				

110.1 Improbable Story

109.8 Metatron's Muse

108.5 Where Is Lisa

110.5 Ready Pursuit

109.6 Where Is Lisa

109.4 Improbable Story

68 Noahs Ark

**67 Tiberius Mercurius** 

65 Metatron's Muse

Daily Double / Exacta / Trifecta / Superfecta / Pick 3 (Races 2-3-4) / Pick 4 (Races 2-3-4-5) / Super Hi-5 Avg. Winning Speed: 93

1 Mile. (Turf) <u>©OC 100000n3x</u> Purse \$141,000 (includes \$48,000 KTDF - Kentucky TB Devt Fund) FOR FILLIES AND MARES THREE YEARS OLD AND UPWARD WHICH HAVE NEVER WON \$18,000 THREE TIMES OTHER THAN MAIDEN, CLAIMING, STARTER, RESTRICTED, OR STATE BRED OR WHICH HAVE **NEVER WON FOUR RACES OR CLAIMING PRICE** \$100,000. Three Year Olds, 120 lbs., Older, 127 lbs. Non-winners Of Two Races At A Mile Or Over On The Turf Since February 26 Allowed 2 lbs. Such A Race Since Then Allowed 4 lbs. Claiming Price \$100,000 (Races Where Entered For \$80,000 Or Less Not Considered In Allowances). (If deemed inadvisable by management to run this race over the turf course, it will be run on the main track at One mile.) (Rail at 36 feet) Post Time: (5:28)/ 4:28/ 3:28/ 2:28

J.,	JIII JIT	terbug		22	4 -	4 -	0	\$3	09,069	25	2	0 -	0 - 0	Off	1	0 - 0 -	0
Red		_	Ó	6	0 -	1 -	0	\$	54,631	'24	7	0 -	0 - 0	CD	2	0 - 1 -	0
20/1	B.m. 5 C	ross Tra	ffic-Sweet N	osi, b	y A. P.	War	rior			AW	15	4 -	3 - 0	Dis	t 1	0 - 0 -	0
	Own: Sh	agbark l	Farms Llc		Brd:(	KY)F	yan	D W	alsh				123	L		\$100,	000
	MORALI	ES EDG <i>i</i>	AR (0/ 0 0%) 768MudSts		Tr:Wa	alsh I	Ryan	D (0	/ 0 0%	)							
Sire Stats:	AWD 7.0f	14%Mud	768MudSts 1	10% <u>T</u> uı	f 8%	1stT				n-2024		,	96	9%			).42
Dam'sSire:	AWD 6.8t	13%Mud	639MudSts	9%Tu	f 3%	1stT	0.8	1spi		nd afte			1	0%			2.00
										ırf star			30	7%		% +\$1	
									8	prnt-Sp	ornt-Kt	e	9	11%	33	% +\$3	3.89
			or improvement				•	Poor	Speed I	Figures	3						
★ Sharp	4F workout	(Apr-21)	•				•	Post	Position	1 has	poor v	win%					
DATE TRI	/ DIST	DD	RACETYPE	CD	E1 E2	/ I D	epn	DD 1	C 20	Str	EIN	JOC	KEV		nne	Winner	
			(F)OC62.5k/b-N										Ab 123			Fntstclhd	8
Claimed fro	m Sheppell	Peter J Gir	ten Tim Trainer (a	s of 02/1	12/2025):	(296	70-45	5-32	24%)	4 0	3	Ouiio	/ LUI	_			U
12Feb25TF	9 @'6f	ft 31115	ten Tim Trainer (a ©OC62.5k/b-	113	86 91/	`73	73	2 4	112 62	4 85	983	Cdilo	Ab 123	L	30.0	NicasPi <sup>2</sup>	10
Claimed fro	m Shagbark	Farm LLC	Walsh Ryan D Tr	ainer (a	of 12/1	9/2024	): (60	6-3-6	10%)								
			©0C40k/n2x-										rvn113			GLAnGnk	
			©OC80k/n2x													Makeupnk	
			PidMstrs-G2						43 94							RssfrDbrn	
29Aug24KI	)8 ⊕6½	fm 31114	©OC100k/n3x	( 114	75 74/	98			53 88				dgr123			AcplsdGrl <sup>3</sup>	
			©KDPwLdyTML 250						3 <u>1</u> 73	-			IEnl122			Walkathnh	
07Jun24CE	)5 (T)51%	fm 3₄115	(F)OC175k/b-N	114	89 92/	81	80	6 7	731 73	1 54	441	MrlsE	dar123	L	35.6	TonyAnnn	k 7
			©A130000b														

	6 6 6f ft 31116 @HolidyIngB 125k										MrssLdv <sup>nk</sup> 12
●21Apr TP	4f ft :472 B 1/4 18Jan TP 5f ft 1:024 .00 +\$0.00) J/T L365: (10 .00	B 20	/44 03					220.21			
	Neverwalkalone	10	3 -	2 -	1	\$112,935	'25 2	0-1-0	Off	1	1 - 0 - 0
White 10/1	•	6	2 -	1 -	0	\$74,780	'24 3	0 - 0 - 0	CD	1	0 - 0 - 0
10/1	Dkbbr.m. 5 Agnes Gold (JPN)-=Za	fira (E	BRZ), b	y Red	dattore	(BRZ)	AW 1	0 - 1 - 0	Dist	4	2 - 0 - 0
	Own: Bonne Chance Farm Llc		Brd:(	BRZ)	Stud I	Rio Dois		123	L		

2 2 0 0 0 2	( ).	J	•		-		
Sire Stats: AWD 8.01 13%Mud 123MudSts Dam'sSire: AWD 6.8f 15%Mud 228MudSts		0.91spi	%) Trn-2024-2025 46-90daysAway 2nd time Lasix Dirt to Turf	339 258 63 50	17% 16% 17% 12%	43% 40% 46% 34%	-\$0.44 -\$0.46 -\$0.80 -\$0.63
★ Figures to improve while returning to Turf		<ul> <li>Has not rad</li> </ul>	ced in 55 days				

<b>★</b> 17	% train	er: 2nd tin	ne Lasix	ug to 1 u									00	uujo					
DATE	TRK	DIST	RR	RACETYPE	CR	E1	E2/	LP	SPD	PP	1C	2C	Str	FIN	JOCKEY	(	DDDS	Winner	
02Mar				©CorrectonB 125k							553	55			MchdLn120		6.1	SndayGirlno	0 5
24Jan2	25TP6	⊕1m ft	<b>4</b> 1115	©LklyExchgB 125k	117	85	87/	88	86	6	421	$3\frac{1}{2}$	1hd	21	RnEvnA120		10.7	Everland <sub>2</sub>	10
05Sep	24KD9	① 170 fn	1 34116	®ROneDreamrL 500k	116	85	90/	93	92	1	521	541	44	631	VIzqzJR122		17.4	Safeenhd	12
04Aug	24Elp8	①1m fn	1 31116	©KDPwLdyTML 250k	116	71	77/	94	84	3	83_	831	531				7.2	Walkathnho	d 11
22Jun2	24CD2	①1m fn	1 31115	©OC100k/n3x-N	114	92	96/	75	84	1	32	421	513	531	TrCrtnA122	L	2.4	SistrLoAnho	d 5
02Sep		*1mft		Pllptrnsg-G1						9	-	-	-	31	*GntArnM123		3.0	MdnBns3	11
		①*1mft		©MIgneasg-G1						4	-	-	-	11	*GntArnM123		*1.0	Nvrwlkln <sup>1</sup>	7
23Juna	23*Si8	①*1mft		©Estrellsg-G1						11	-	-	-	12	*GntArnM121			Nvrwlkln <sup>2</sup>	14
25May	23*Si6	*1m h	1	®Mdn 10k						9	-	-	-	14	*GntArnM121		4.0	Nvrwlkln4	13
03Mar	23*Si5	①*6f ft		©Mdn 8.6k						4	-	-	-	24	*GntArnM121		4.0	LOrdnnz4	8

J/T Meet: (	0 .00 +\$0.00) J/T L365: (38 .	18 -\$0.6	62)								
3	Lucky Speech	9	3 - 0 -	1	\$248,183	'24	9	3- 0-1	Off	2	1 - 0 - 0
5/1		① 5	2 - 0 -	1	\$172,223	'23	0	0 - 0 - 0	CD	0	0 - 0 - 0
<b>3/ Ι</b>	B.f. 4 Audible-Luckyallmylif	e, by Lo	ookin At Lu	cky		AW	0	0 - 0 - 0	Dist	0	0 - 0 - 0
	Own: Anthony Tate		Brd:(KY)	Delia Na	ash & Ju			123	L		
Ciro Ctoto:	ORTIZ JOSE L (0/ 0 0%)	100/T	Tr:Sharp	Joe (0/	(0 0%)	2024	2025	760	100/	100	/ ¢n 2s

ORTIZ JOSE É (0/ 0 0%)  Sire Stats: AWD 7.0f 13%Mud 150MudSts 10%Turf 4%1stT Dam'sSire: AWD 7.5f 14%Mud 1220MudSts 13%Turf 9%1stT SoldAt: KEESEP 2022 \$105.0k (61/125) SireAvg: \$140.4k StudFi	be (0/ 0 0%) 1.17spi +Trn-2024-2025 1.52spi 90+ days away be: \$25k Turf starts Allowance	763 119 644 463	19% 16% 15% 16%	46% 47% 39% 41%	-\$0.35 -\$0.15 -\$0.01 +\$0.34
★ May improve at the shorter distance ★ Hot Tnr/Jky combo in last 14 days (7 2-2-1)	<ul> <li>Has not raced for more than</li> <li>Best Speed Rating is well be</li> </ul>			ing Spee	d

_ ^ IIC	ונ ווווו/טו	ny comi	ווו טכ	1031 14	ruays (1 2-2-1						DES	ı ope	eu na	uny is	WEI	Delow the Av	y w	IIIIIII	opeeu	
DATE	TRK	DIST		RR	RACETYPE	CR	E1	E2/	LP	SPD	PP	1C	2C	Str	FIN	JOCKEY	(	DDDS	Winner	
170ct2	4Kee4	①1 <sub>16</sub>	gd	31114		χ 113	82	90/	73	81	2	32	32	63	87	MrlsEdgr120	L	9.0	NandaDa <sup>2</sup> 4	10
29Aug	24KD4	①1磊	fm	31114	©OC80k/n2x-I	117	60	54/	104	85	3	21/2	21/2	11	111	MrlsEdgr118	L	15.8	LckySpch14	9
27JlyŽ	4Elp <sup>7</sup>	⊕1%	fm	31112	FA73000n1x	115	71	73/	88	82	3	11	11			MrlsEdgr118	L	15.1	LckySpch1	10
15Júní	24CD5	116	ft	116	©MonomyGrlB 175	k 111	64	64/	66	62	2	13	42	561	518	CnpnAxl118		17.8	OrPrtWn <sub>3</sub>	5
17May	24CD9	⊗116	sys	31110	©Mdn 120k	116	103	102	63	82	2	211	11/2	15	173	CnpnAxl118	L	10.9	LckySpch <sup>7</sup> <sup>3</sup> / <sub>4</sub>	7
05Apr2	24Kee1	¶ 1홅	gd	111	©Mdn 100k	109	92	96/	60	80	5	531	531	74	86	GflnTylr120	L	14.7	FtUndrstdhd	11
29Feb	24FG9	①*1¦	₅fm	31109	©Mdn 57k	110	74	68/	74	69	5	321	42	421	323	TrsJamA117	L	20.4	GnrsLvr23	9
					©Mdn 57k						3	13	13	413	513	ParkrDL120	L	23.8	MQltCntrl33	7
Previo	ously tra	ined by L	.ovéll	Michelle	e (as of 01/01/20	24): (12	24 1	3-13-1	8 10	0%)		_								

```
107 83 82/ 63 57 8 75½ 67 810 718 ParkrDL120 L 28.0 Impel3½
01.lan24FG6
       6f ft
           109 (F)Mdn 52k
```

4 Justifiable Belle	12	3 - 3 -	1 \$245	,943 '24 4	2-1-0	Off 1	0 - 0 - 0
Yellow	① 11	3 - 3 -	1 \$242	,143 '23 5	1 - 1 - 1	CD 1	1 - 0 - 0
3/1 Ch.m. 5 Justify-Bow Bells, by	v Giant's	Causewa	av	AW 0	0 - 0 - 0	Dist 6	3 - 1 - 1
Own: Valley Partners Llc				eld	123	L	
SAEZ LUIS (0/ 0 0%) Sire Stats: AWD 7.7f 20%Mud 170MudSts		r:Wilkes	lan R (0/ 0 0	)% <u>)</u>			
Sire Stats: AWD 7.7f 20%Mud 170MudSts	13%Turt	10%1stT	3.06spi	Trn-2024-202			5% -\$0.54
Dam's Sire: AWD 8.0f 13% Mud 2009 Mud Sts				90+ days awa			)% -\$0.61 )% -\$0.89
SoldAt: KEEJAN 2024 \$57.0k (7/10) SireAv	y. 5392.4	K Sluur	ee: \$150k	Turf starts Btn favorite	382 39		5% -50.89 5% -50.92
A II . I . I . I . I . I . I . I . I . I						13/0 40	7/0 - 70.32
★ Hot Jockey in last 7 days (18 5-1-1)				s favorite in last 2 raced for more th		i	
DATE TRK DIST RR RACETYPE	CR E	E2/ LP	SPD PP 1C	2C Str FIN	JOCKEY	ODDS	Winner
17Oct24Kee4 ① 1 to gd 34114 (PA130000n3					SaezLis122		NandaDa2110
11Sep24KD7 ① 1m fm 34115 ⑥OC100k/n3x					SaezLis124	L *3.9	LteWarm <sup>1</sup> 11
19May24CD8 1m fm 31114 @OC80k/n2x-					SaezLis124		JstifiablBl1 1 10
07Apr24Kee9 ① 1m fm 44112 ⑥A110000n1				32 21 11 1	SaezLis118	L 9.3	JstifiablBl1 1 12
Previously trained by Harty Eoin (as of 08/19/2023): 19Aug23Elp8 ① 11 fm 34111	(104 17-1 ( 113 76	7-16 16%) 5 70/ 84	83 7 311	3nk 3nk 2nk	GrhmJ118	L 8.4	LcsCksFlnk 9
22Jun23Ind3 ① 1m fm 34111 (F)A36000n1)						L 5.5	Mcdm <sup>3</sup> 8
15Apr23Tam <sup>9</sup> ① 1m fm 110 ② Mdn 27k			79 4 21				JstifiablBlhd 9
11Mar23Tam1@1m fm 110 (F)Mdn 32k							RltIntrst31 10
Previously trained by Pletcher Todd A (as of 01/22/22Jan23GP6 ① 1 16 fm 111 @Mdn 84k	2023): (1020	222-169-1	136_22%)	001 54 441	0 1:440		
							WellInto <sup>2</sup> 12
19Nov22Aqu¹ 🗍 1 1 € fm 111 € Mdn 85k				734 844 634	CstinJJ119	4.9	Quarrelnk 11
18Apr Sky 4f ft :49 B 5/7 10Apr Sky 4f ft :483 J/T Meet: (0 .00 +\$0.00)		Mar Sky 4	f ft :49 B 3/10				
5 Mission of Joy	15	4 - 0 -	3 \$474	,552 '24 6	0- 0-1	Off 0	0 - 0 - 0
Green	<b>① 14</b>	4 - 0 -	3 \$474	,245 '23 7	3 - 0 - 2	CD 3	1 - 0 - 1
9/5 Ch.m. 5 Kitten's Joy-Smart M	lission. I	ov Smart	Strike	AW 1	0 - 0 - 0	Dist 5	2 - 0 - 1
Own: Ryzan Sun Racing Llc					123		
ORTIZ, JR. IRAD (0/ 0 0%) Sire Stats: AWD 7.8f 13%Mud 1719MudSts				(0/ 0 0%)			
Sire Stats: AWD 7.8f 13%Mud 1719MudSts	13%Turf	12%1stT	1.56spi	`Trn-2024-202			!% -\$0.2 <u>5</u>
Dam'sSire: AWD 7.6f 18%Mud 2051MudSts				+90+ days awa			5% -\$0.15
SoldAt: FTKOCT 2021 \$32.0k (27/40) SireA	wg. 599. I	k Studi	Fee: \$75k	Turf starts Allowance	1020 417		7% -\$0.33 3% -\$0.47
★ Drons in class today			● Has not	raced for more th			7,0 °,0.41

	Daili Solle. AVVD 7.01 10 /8 Wud 2001 Wud 315 14 /8 Tull 12 /8 Tst 1		+30+ uays away			ا.اللات م/ ت
	SoldAt: FTKOCT 2021 \$32.0k (27/40) SireAvg: \$99.1k StudF	Fee: \$75k	Turf starts			7% -\$0.3
]			Allowance	417	17% 4	3% -\$0.4
	★ Drops in class today	<ul><li>Has not</li></ul>	raced for more tha	an 6 months		
	★ Highest speed figure at today's distance					
3	DATE TRK DIST RR RACETYPE CR E1 E2/ LP	SPD PP 1C	2C Str FIN	JOCKEY	ODDS	Winner
n		83 6 42	1 31 411 663	CnnDcln121	L 6.6	Mouffyhd 1
	31Aug24KD10 1m fm 31117 (E)LadiesTf-G3 116 80 83/ 75	<b>76</b> 10 93		VIzqzJR122		Walkathn <sup>3</sup> 1
1	13Jly24Sar10 11% fm 44119 ©Diana-G1 118 81 84/ 102			VIzqzJR120		Whitbam <sub>4</sub> 1
0	07Jun24Sar10 1 1m fm 44119	<b>90</b> 1 6 <sup>3</sup>	623 621 31	VIzqzJR120	13.1	ChiliFlag <sub>2</sub>
9	04May24CD7 1m gd 4117 DDstfTfMl-G2 118 107 115/83	<b>100</b> 10 74	54 534 443	VlzqzJR118		ChiliFlagnk 1
0	27Jan24GP10 1 1 fm 41118 @PWCFMTlv-G2 118 77 82/ 86	<b>84</b> 10 52	521 613 52	VIzqzJR120	14.6	Didiank 1
1	14Oct23Kee <sup>9</sup> ① 1% qd 118 (F)QEIICup-G1 120 92 102/85			VIzgzJR121	25.2	Mawj3
7	09Sep23Cnl9 11 1/8 fm 114 @VaOaksL 250k 115 83 94/ 75	<b>86</b> 7 65	531 311 421	GlrAntnA122	*1.1	TrtTŔĨvnnk
9	08Jly23Bel8 T 11 fm 116 @BelOksln-G1 116 69 63/ 95			GflnTylr121		AspnGrv <sub>3</sub>
2	03Jún23CD <sup>5</sup> 1 km 115 PRegret-G3 117 84 85/ 93				*0.7	MsnfJy11
	17Apr Kee 4f ft :49 B 21/38 09Apr Kee 4f ft :49 B 43/121 28Mar J/T Meet: (0 .00 +\$0.00)	Pmm ① (d)	5f fm 1:03 <sup>2</sup> B 19/2	:3		

6 Black	Vinos Angel	16		0 -		\$122,5		l		2- 0-1			0 - 0 - 0
30/1	(	D 0	0 -	0 -	0		\$0	'24	9	3 - 0 - 2	CD	0	0 - 0 - 0
30/1	Ch.f. 4 Vino Rosso-Twisted A	dage,	by Ha	rd Sp	un			AW	11	5 - 0 - 2	Dist	0	0 - 0 - 0
	Own: Ismael Bahena		Brd:	(KY)S	tone	riggs Fa	r			123	L		
a. a	CALLEJA ANDRES (0/ 0 0%)	aa. <b>-</b>	Tr:B	ahena		aeļ (0/ 0	0%	6)					
	AWD 7.2f 15%Mud 198MudSts	9%Tu		1stT	1.18				1-2025	157	11%	28%	
		13%Tu		51stT	1.61	spi	1st	t on gr	ass	12	0%	8%	6 -\$2.00
SoldAt: FTI	KJUL 2022 \$45.0k (85/135) Sire	Ava: S9	0.1k	Studi	ee: S	3Ók	Tu	rf stăr	ts	61	7%	219	6 -\$1.50
	, , , , , , , , , , , , , , , , , , , ,	3					All	owand	е	78	5%	269	6 -\$1.59

CALLEJA ANDRI Sire Stats: AWD 7.2f 15%Mud Dam'sSire: AWD 7.4f 16%Mud SoldAt: FTKJUL 2022 \$45.0k	2150MudSts 13%Turf 9%1stT		157 12 61 78	11% 0% 7% 5%	28% 8% 21% 26%	-\$0.23 -\$2.00 -\$1.50 -\$1.5
★ Finished 3rd (on AW) in last	race	Best Speed Rating is well     Has never raced on the grant	below the	Avg Win	ning Spee	d

DATE TRK DIST RR RACETYPE CR E1 E2/ LP SPD PP 1C 2C Str FIN JOCKEY 26Mar25TP7 ⑥ 1m ft 3114 @OC40k/n2x.N 115 77 76/ 98 86 1 874 894 764 33 2 Cilandrs 12 01Mar25TP7 ⑥ 1m ft 4113 @C2500 116 73 73/ 91 80 5 64 53 11 14 Cilandrs 12 Cilandro from Agams Tory Admas Angela Connors James Michael Rasmussen Richard Santos Rob and S Morey William E 33Jan25TP5 ⑥ 1m ft 4112 @C16000-C 114 80 83 86 83 9 42 3 1 24 13 SCBn121 100c24P16 ⑥ 14 ft 3112 @C0C25k/n1x 113 602 64/ 89 83 2 94 61 74 58 RJspD11 100c24P16 ⑥ 17 ft 3113 @C0C40k/b-N 113 77 71/ 59 59 6 97 910 812 820 MchdLn12 100c124P16 ⑥ 17 ft 3113 @C0C40k/b-N 113 77 71/ 59 59 6 57 910 812 820 MchdLn12 66Aug24P167 ⑥ 17 ft 3113 @CC40k/b-N 115 64 63/ 81 69 4 524 313 43 43 64 (36/Annha11 26/Ang24P167 ⑥ 17 ft 3113 @C12500 114 80 83/ 86 84 6 554 33 1 bd 122 GiAnnha11 29Jyg4P161 ⑥ 17 ft 3119 @C12500 114 80 83/ 86 84 6 554 33 1 bd 122 GiAnnha11 29Jyg4P161 ⑥ 17 ft 3119 @C12500 114 80 83/ 86 84 6 554 33 1 bd 122 GiAnnha11 29Jyg4P161 ⑥ 17 ft 3119 @C12500 114 80 83/ 86 84 6 554 33 1 bd 122 GiAnnha11 21Abr Hot 4ft ft 50² B 79 9 18Jan TP 5ft ft 1:014 B 644 03Jan TP 5ft ft 1:014 B 11/30 **ODDS Winner** SPD PP 1C 2C Str FIN JOCKEY

86 1 871 861 7761 332 CliAndrs 124

74 6 7742 66 77 612 CliAndrs 124

80 5 64 53 113 14 CliAndrs 120

83 9 422 31 22 13 SCGbri 121

83 9 422 31 22 13 SCGbri 121

83 9 422 31 22 13 SCGbri 121

83 9 7 910 812 820 MchdLn 120

72 2 523 513 52 338 MchdLn 120

72 2 523 513 52 338 MchdLn 120

74 52 53 31 14 123 GlrAntn A119

84 3 313 31 110 GlrAntn A120

576 11012 8 11/30 Lb 13.6 Indy'sStar<sup>3</sup> 10 b 28.2 MQltCntrl<sup>1</sup> 8 b 28.2 MQIICnt11 8
Lb 4.0 VnosAng14 8
rainer (as of 01/23/2025): (314
Lb 5.2 VnosAng14 12
Lb 10.9 lrishPatsynk 10
Lb 16.1 JblantJannk 9
Lb 3.4 Toolca21 5
Lb '1.0 VnosAng12 7
Lb '0.5 VnosAng110 6 12Apr Hpt 4f ft :502 B 7/9 18Jan TP 5f ft 1:014 B 6/44 03Jan TP 5f ft 1:012 B 11/30

J/T Meet: (0	) .00 +\$0.00) J/T L365: (10 .30 +	\$7.7	<b>'</b> 8)										
7	No Mo Candy	4	3 - 1	- 0	\$181,680	'24	4	3-1-0	Off	0	0 - 0 - 0		
Orange <b>2/1</b>	•	2	2 - 0	- 0	\$146,850	'23	0	0 - 0 - 0	CD	0	0 - 0 - 0		
2/ 1	B.f. 4 Uncle Mo-Sweet, by Blame	е				AW	2	1 - 1 - 0	Dist	1	1 - 0 - 0		
	Own: Niall J Brennan And Micl Brd:(KY)Claiborne Farm 123 L												
Sire Stats:	DETTORI L (0/ 0 0%) AWD 7.5f 18%Mud 1407MudSts 15	%Tu	Tr:Jose	ph, Jr [ 2.	. <b>Saffie A (0/</b> 37spi + Tr	<b>0 0%)</b> n-2024-2	2025	1413	23%	53%	6 -\$0.21		

DETTORI L (0/ 0 0%) Tr:Joseph, Sire Stats: AWD 7.5f 18%Mud 1407MudSts 15%Turf 14%1st1 Dam'sSire: AWD 7.5f 17%Mud 877MudSts 14%Turf 10%1st7 SoldAt: KEESEP 2022 \$80.0k (82/97) SireAvg: \$295.5k StudFer	1.80spi +90+ days away	1413 23% 373 23% 627 19% 639 22%	-\$0.21 -\$0.05 -\$0.04 -\$0.47
★ Highest last race speed rating ★ Drops in class today	Has not raced for more than	1 5 months	

★ Dr	ops in	class today																	
DATE	TRK	DIST	RR	RACETYPE	CR	E1	E2/	LP	SPD	PP	1C	2C	Str	FIN	JOCKEY	(	ODDS	Winner	
08Nov	24Aqu	®⊕1m fm	115	Pebbles-G3	118	93	96/	89	93	2	211	21	11/2	111	VIzqzJR118		18.2	NMCndy14	8
				©OC50k/n1x-N														NMCndy <sub>4</sub> 1	
26Jly2	4GP6	♦ 116 ft	31110	©Mdn 60k ©Mdn 60k	113	79	81/	82	81	4	$2\frac{1}{2}$	21	11	1nk	ZsEdrdJ118	L	*0.7	NMCndynk	6
27Jun2	24GP2	(A) 170 ft	31108	©Mdn 60k	111	54	56/	95	73	4	$53\frac{1}{2}$	43	441	2nk	VnDDrn118	L	3.4	LeBeaunk	7
19Apr I	Pmm 4	f ft :491 B 6	/68 05	Apr Pmm 4f ft :4	19 B	15/5	6 28	Mar	Pmm	ı 4f	ft:501	1 B 42	2/52						
J/T Me	et: (0 .	00 +\$0.00	J/T	`L'365: (5 .20 +	-\$2.3	6)													

	Class Rating			Speed Last Race			Best Speed at Dis	t
5	Mission of Joy	116.9	7	No Mo Candy	93	5	Mission of Joy	100
2	Neverwalkalone	116.4	2	Neverwalkalone	88	7	No Mo Candy	93
4	Justifiable Belle	115.8	6	Vinos Angel	86	4	Justifiable Belle	90

																						33 337 0	1 30
RACETYI CD 3up ALW+ 1410	PE STATS: 000 N3X Tur		.0f			F Win% 25%	AVOR ITM% 83%	ITES	\$ <b>\$2ROI</b> -0.54		Avei Field			Medi Win F \$8.		2 ff	<	Vinne < <b>5/1</b> 75%	rs	% Win >=5/1 < 8%	: 10/1		Vinners > 10/1 17%
								Tra	ack B	ias S	Stat	S											
Turf 8.0f # Races: 10 %Wire: 0%		Spe	EET Tota ed Bias: 0 9/12 - 12/0	30%		1	VnrAvgl stCall: ndCall:	3.4			Turf 8 # Rac %Wire	es: 3	%			Spe	ed Bia	Totals as: 33 12/01			1stC	AvgBL Call: 3.1 Call: 2.8	
Runstyle:		E	arly E	Speed E/P +	d	Late P ++		Spee S	ed		Runst	tyle:				E	arly E		Speed E/P +		Late P ++	Spe S	
Impact Values: %Races Won	:	-	).00 0%	2.40 30%		1.28 40%		0.9° 30%				t Valu es W					).00 0%		1.97 33%		2.14 67%	0.0 0%	
Post Bias:		F	RAIL	1-3		4-7 +		8+			Post I	Bias:				R	RAIL		1-3 +		4-7 +	8-	+
Impact Values: Avg Win %	:	-	).00 0%	0.64 7%		1.50 15%		0.70 6%				t Valu Vin %				-	).00 0%		1.29 11%		1.94 17%	0.0 0%	
								Ra	ace S	umn	nary	1											
Horse Name	ML Med Odds Eqp	Days Since L/R	Run T Style S	PAČ	Dist/Sur E-SPEE 2/Late S	ED			t Pace E2/Late			Spee Sp3		ACL	Rcg Spd Avg	R1	R2		Mud Spd	Pedigre % Mud	ee Stats % Trf	Sire S AWD /	
No Mo Candy Mission of Joy Neverwalkalone	2/1 L 9/5 L 10/1 L	169 203 55	+E/P 7 P 2 P 4	84 87	6/ 89 ( 7/ 90 ( 3/ 84 (		115 118 116	93 107 92	96/ 89 115/102 96/ 94	83.T	92T 76.T 86	95T		115.9 118.0 (115.1)	89 85 89	116	117	110 119 116		18 13 13	14 12 8	7.5 7.8 8.0	7.3 7.6 6.8

ŭ				., ,, ,,		
Speed Last Race	Back Speed	Current Class	Average Class Last 3	Prime Power	Early Pace Last Race	Late Pace Last Race
93 No Mo Candy	100 Mission of Joy	117.5 No Mo Candy	116.9 Mission of Joy	145.8 Mission of Joy	95 Neverwalkalone	98 Vinos Angel
88 Neverwalkalone	93 No Mo Candý	NA Jill Jitterbug <sup>*</sup>	116.4 Neverwalkalone	142.6 Justifiable Belle	93 No Mo Candy	89 No Mo Candy
86 Vinos Angel	92 Neverwalkalone	NA Neverwalkalone	115.8 Justifiable Belle	138.6 No Mo Candy	87 Mission of Joy	87 Neverwalkalóne
83 Mission of Joy	90 Justifiable Belle	NA Lucky Speech	115.2 No Mo Candy	134.5 Lucky Speech	86 Jill Jitterbug	82 Jill Jitterbug
82 Justifiable Belle	82 Lucky Speech	NA Justifiable Belle	115.1 Lucky Speech	132.4 Neverwalkalone	82 Lucky Speech	76 Justifiable Belle
81 Lucky Speech	79 Jill Jitterbug	NA Mission of Joy	114.6 Vinos Angel	125.6 Vinos Angel	81 Justifiable Belle	76 Mission of Joy
78 Jill Jitterbug	NA Vinos Angel	NA Vinos Angel	113.5 Jill Jitterbug	120.7 Jill Jitterbug	77 Vinos Angel	73 Lucky Speech

78 73

86 74 80

82.T 82.T 90.T 88.T 115.2 85 114 115 114

114.0

83 114 114 112

78 114 115 112

83 (113.2) 80 114 115 113

81.T 85T 82T 62

82 69

20

13

14

15

82

69

10

4

8

7.7 8.0

7.0 7.5

7.0 6.8

7.2 7.4

+E/P 5 85 92/83 ( 87)

+E/P 7 71 72/ 88 ( 83)

Р

S 5 85 88/85 (80)

114

113

115

82 92/ 94

82 90/104

89 92/ 98

4 Justifiable Belle

3 Lucky Speech

1 Jill Jitterbug

6 Vinos Angel

3/1 **L** 191

30/1 **L** 31

191

37..

5/1 **L** 

20/1 L