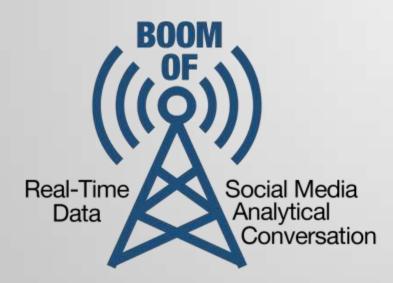


The "So What" of Big Data in Horse Racing

Proliferation of Big Data and Sports Analytics











Horse Racing Pain Point: Big Data

- Millions upon millions of records
- Saturday (11/28): 16,000 lines of data
- Needing to know what to look for is almost impossible for novice
- Technology hasn't always existed to parse data in consumable fashion
- New players/fans are intimidated What do all these numbers mean?
- Want answers with or without the "why" Just tell me who to play

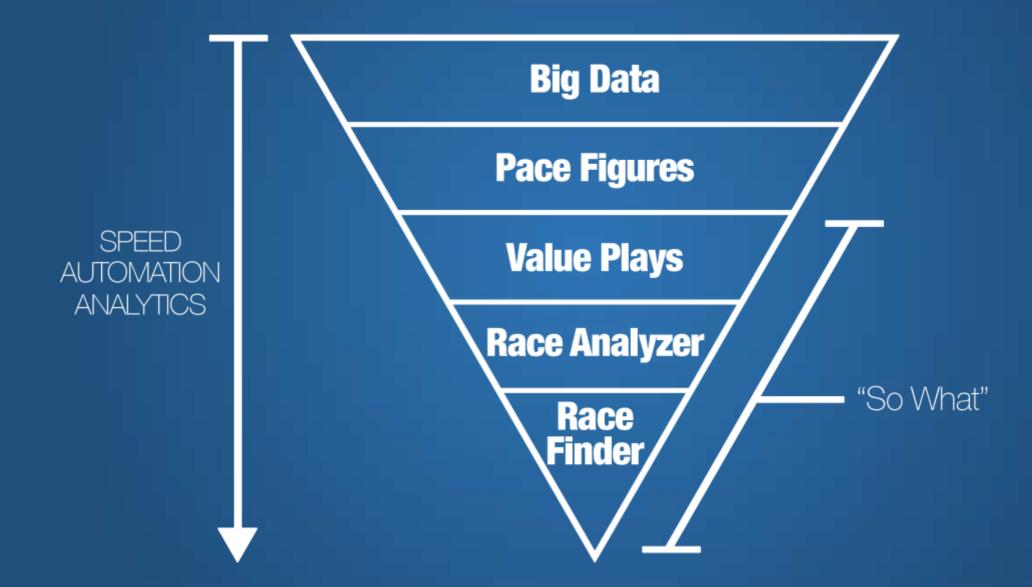


Equiform/Predicteform History

- Originally conceived by Cary Fotias in 1992
- Disillusioned with one number speed figures
- Cary reviewed 150,000+ races to develop "Pace Figures" and "Form Cycle Patterns"
- PredictionMachine.com team purchased asset from Cary's estate in summer of 2013
- Equiform took first step, Predicteform added technology
- Consumer friendly web interface allows for easy consumption



Big Data to Digestible Content





Pace Figures

	D	11/01/1	15 10/03/1	5 09/05/15	02/01/15	01/04/15	11/30/14	11/07/14	09/27/14	09/03/14			
	F	w69.8	72.5	79.2	75.0	w70.1							
	4f	42.1	78.4	64.8	65.0	55.0							
	Р	PLOW											
Stellar Path (Fr)	6f	50.9	73.3	67.1	65.5	60.8							
Program Number: 8 Post Position: 8 Weight: 123 Last Race: 43 Days Lasix	2f												
	Т	bel	wox	mth	wox	aqu							
	S	TURF	TURF	TURF	TURF	TURF							
_	L	81/2	7	81/2	8	8							
Lasix	С	Firm	Firm	Firm	Firm	Good							
	В/М	L	L	L	L	L							
	D	10/17/15	09/07/15	06/27/15	05/23/15	04/17/15							
	F	w67.5	71.8	73.1	72.0	w76.6	76.9	70.8	w80.0	w75.1	72.9		
	4f	45.9	52.5	60.4	55.5	66.8	60.4	59.3	67.7	63.6	59.1		
Filimbi	Р	PLOW											
	6f	51.1	59.0	60.8	59.1	65.2	64.5	60.0	70.0	64.4	59.5		
Program Number: 9	2f												
Post Position: 9 Weight: 123	Т	bel	bel	kee	tam	sax	kee	sar	sar	bel	kee		
Last Race: 28 Days	S	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF		
_	L	8	8	81/2	9	8	8	81/2	8	8	8		
Lasix	С	Firm	Good	Yielding	Firm	Firm	Good	Good	Firm	Firm	Firm		
	B/M	L	L	L	L	L	L	L	L	L	L		
	D	11/01/15	06/06/15	04/11/15	03/07/15	11/02/14	10/04/14	08/23/14	08/02/14	05/21/14	04/13/14		
	F	77.0	74.2	77.1	69.6	80.8	79.2	72.4	76.9	w76.8	w73.8	73.3	74.3
	4f	68.3	66.8	67.6	61.3	70.2	69.7	62.4	62.2	62.3	57.1	64.4	65.9
	Р												
Stormy Lucy	6f	67.9	59.2	66.4	58.4	71.2	66.2	62.4	63.2	61.3	58.8	64.8	63.3
Program Number: 10 Post Position: 10 Weight: 123 Last Race: 28 Days	2f												
	Т	dmr	sax	dmr	sax	dmr	dmr	sax	sax	sax	sax	sax	sax
	S	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF	TURF
	L	8	10	9	8	81/2	9	8	9	10	9	8	9
	С	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm
	В/М	L	L	L	L	L	L	L	L	L	L	L	L
	D	11/01/15	09/26/15	08/08/15	06/27/15	09/01/14	08/10/14	06/28/14	05/26/14	04/13/14	03/16/14	02/17/14	12/29/13
	F	75.2	74.4										
	4f	63.9	63.3										
Olorda (Ger)	Р												
Olorda (Ger) Program Number: 11 Post Position: 11 Weight: 120	6f	63.6	63.2										
	2f												
	Т	kee	bel										
1.5.git. 120	_	TUDE	TUDE										



Value Plays

- Takes the work out of handicapping
- Proprietary formula created by layering in Pace Figures and key metrics
- The "Output" classifies horses in six categories, such as:
 - Top Contender Most likely winner
 - Breakout Most likely to show significant improvement
 - Too Slow Very unlikely in contention
- Categories then combined with odds to rank entries based on value
- Simplifies best horses and who to play, supports Big Data funnel



Value Plays Example



Conditions: MATRIARCH S.. Grade I. Purse \$300,000 FOR FILLIES AND MARES THREE-YEARS-OLD AND UPWARD. By subscription of \$300 each to accompany the nomination. Closed Saturday, November 14, 2015 with 26. Or by supplementary nomination of \$3,000 by closing time ofentries. \$1,000 to pass the entry box and \$3,500 to start, with \$300,000 Guaranteed, of which \$180,000 to first, \$60,000 to second, \$36,000 to third, \$18,000 to fourth and \$6,000 to fifth. Three-year-olds 120 lbs. Older 123 lbs. Starters to be namedthrough the entry box by closing time of entries. This race will not be divided. If the number of entries exceed fourteen (14), first preference will be given to Gr I or Gr II winners in 2015. Second preference will be given to horses placed (secondor third) in a Gr I or Gr III winners in 2015. Total non-claiming earnings in 2015 will be used in determining the order of preference of horses with equal status. A trophy will be presented to the winning owner.

Available Wagers: \$1 EXACTA / \$2 QUINELLA / 50 CENT TRIFECTA / \$2 DOUBLE, \$1 SUPERFECTA (10-CENT MIN.)

Post Time: 3:59 PM PT Race Analyzer: Analyze Race

В	lasic Advanced Valu	e Plays							Sort	Value			Ψ
#	Horse	Races	Last Race	Value	Play Type	Pattern	Avg. Final	Avg. 4F	Last Final	Last 4F	Top Final	ML	P
10	Stormy Lucy	30	28	1	Fringe Contender		71.6	65.0	77.0	68.3	80.8	20	10
7	Gender Agenda	9	28	2	Top Contender		75.4	70.4	76.3	69.5	78.5	15	7
5	Curlin's Fox	7	64	3	Fringe Contender		73.7	75.3	74.7	77.6	82.7	15	5
4	Prize Exhibit	10	50	4	Fringe Contender		74.7	66.4	72.6	68.7	80.3	15	4
12	Queen Of The Sand	14	28	5	Fringe Contender		74.4	61.1	76.3	66.2	79.6	15	1:
13	Baruta	15	35	6	Average		74.8	79.5	w76.9	82.9	80.6	20	13
2	Chati's On Top	16	35	7	Average		70.8	68,3	74.1	73.9	77,3	20	2
15	Alexis Tangier	11	57	8	Average		71.5	73.4	w75.0	73.5	78.2	15	15
1	Hard Not To Like (Ont-C)	21	64	9	Average		73.5	62.3	73.5	63.5	82.8	9/2	1
11	Olorda (Ger)	2	50	10	Average		74.8	63.6	75.2	63.9	75.2	8	11
6	Crowley's Law (Gb)	3	36	11	Average		73.9	64.3	w73.8	66.0	79.1	6	6
В	Stellar Path (Fr)	5	43	12	Average	PLOW	73.3	61.0	w69.8	42.1	79.2	8	8
14	She's Not Here	17	57	13	Breakout		70.6	63.4	66.3	52.8	78.2	15	1
3	Recepta	12	29	14	Average		72.5	60.1	65.8	58.1	80.4	8	3
9	Filimbi	10	28	15	Regressor	PLOW	73.7	59.1	w67.5	45.9	80.0	7/2	9

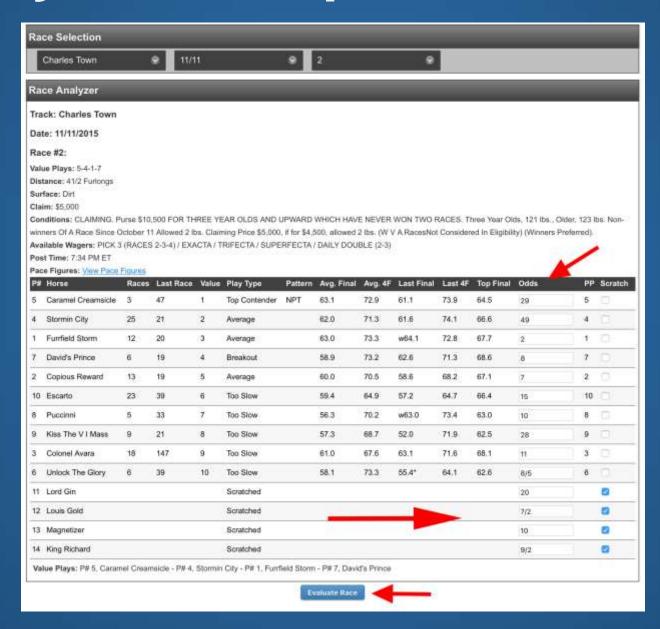


Race Analyzer

- Builds on Value Plays classifications
- Empowers user to re-evaluate the Value Plays for a race with updated odds and scratches
- Makes race evaluation simpler and more accurate closer to post time as odds change and horses are scratched
- Live, real-time odds integration is holy grail
- The better the odds feed, the more accurate the recommendation



Race Analyzer Example



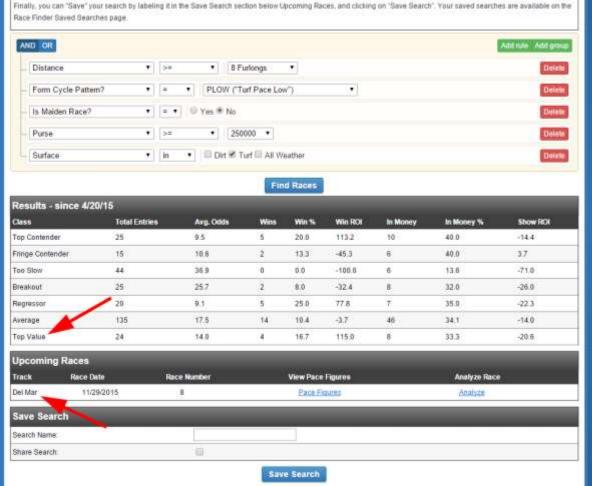


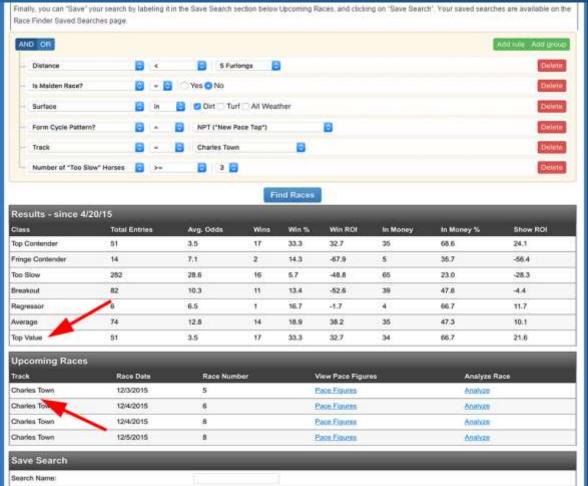
Race Finder

- Culmination of Big Data Looks backward to project forward
- Data engine allows users to find results and upcoming races that match selected criteria
 - Searches are extremely quick takes a few clicks to setup
 - Search by track, distance, odds, dates, conditions and more
- Win and ITM ROI% for each Value Play classification
- Upcoming races that match criteria are accessible for user



Race Finder Examples







Future Application & Opportunities

- Race Finder Live Odds Feed with Exact Play Value Recommendations
- Individual Horse Search
- Harness Racing expansion
- International racing expansion
- Breeding analysis

