## Graph 2

• Over round of a bookmaker compared to the market.

Market overround compared to the bookmaker overround is another important table. For instance if we were looking at bookmaker 3, from event 15 we would have raw data shown below (again data is fictional)

15   1 Winner   3 Alaadel   07:06:43   22   0.366368     15   1 Winner   3 Alaadel   07:51:32   31   0.307692     15   1 Winner   3 Alaadel   10:25:53   8   0.333333     15   1 Winner   3 Alaadel   19:46:51   28   0.285714     15   1 Winner   3 Alaadel   19:56:31   7   0.307692     15   1 Winner   3 Alaadel   19:58:23   7   0.307692     15   1 Winner   3 Alaadel   19:58:53   19   0.333334     15   1 Winner   3 Cappananty Con   06:55:26   0   0.25     15   1 Winner   3 Cappananty Con   07:48:17   6   0.285714     15   1 Winner   3 Cappananty Con   19:48:19   8   0.36363     15   1 Winner   3 Cappananty Con   19:48:19   8   0.36363     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15	idevent	idsource	market	idbookmaker	bet	Timestamp	delta	odds
15 1 Winner 3 Alaadel 10:25:53 8 0.33333 15 1 Winner 3 Alaadel 19:46:51 28 0.285714 15 1 Winner 3 Alaadel 19:56:31 7 0.266666 15 1 Winner 3 Alaadel 19:58:23 7 0.307692 15 1 Winner 3 Alaadel 19:58:23 7 0.307692 15 1 Winner 3 Alaadel 19:58:53 19 0.33333 15 1 Winner 3 Alaadel 19:58:53 19 0.333334 15 1 Winner 3 Cappananty Con 06:55:26 0 0.25 15 1 Winner 3 Cappananty Con 07:48:17 6 0.285714 15 1 Winner 3 Cappananty Con 19:23:30 21 0.33333 15 1 Winner 3 Cappananty Con 19:23:30 21 0.33333 15 1 Winner 3 Cappananty Con 19:48:19 8 0.363636 15 1 Winner 3 Cappananty Con 19:58:17 6 0.33333 15 1 Winner 3 Cappananty Con 19:58:17 6 0.33333 15 1 Winner 3 Cappananty Con 19:58:54 19 0.285714 15 1 Winner 3 Cappananty Con 19:58:54 19 0.285714 15 1 Winner 3 Maakaasib 06:55:26 0 0.33333 15 1 Winner 3 Maakaasib 06:55:26 0 0.33333 15 1 Winner 3 Maakaasib 07:26:40 20 0.363636 15 1 Winner 3 Maakaasib 10:53:37 19 0.33333 15 1 Winner 3 Maakaasib 19:53:40 25:44 0.26666 15 1 Winner 3 Maakaasib 19:36:44 24 0.26666 15 1 Winner 3 Maakaasib 19:36:42 44 0.33334 15 1 Winner 3 Maakaasib 19:36:42 47 0.36636 15 1 Winner 3 Maakaasib 19:36:42 47 0.36636 15 1 Winner 3 Maakaasib 19:36:42 47 0.36636 15 1 Winner 3 Maakaasib 19:58:42 7 0.46		15	1 Winner		3 Alaadel	07:06:	43 22	0.363636
15   1 Winner   3 Alaadel   19:46:51   28   0.285714     15   1 Winner   3 Alaadel   19:56:31   7   0.266666     15   1 Winner   3 Alaadel   19:58:53   7   0.307692     15   1 Winner   3 Cappanaty Con   06:55:26   0   0.25     15   1 Winner   3 Cappananty Con   07:48:17   6   0.285714     15   1 Winner   3 Cappananty Con   19:23:30   21   0.333333     15   1 Winner   3 Cappananty Con   19:48:19   8   0.363636     15   1 Winner   3 Cappananty Con   19:48:19   8   0.363636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333		15	1 Winner		3 Alaadel	07:51:	32 31	0.307692
15   1 Winner   3 Alaadel   19:56:31   7   0.266666     15   1 Winner   3 Alaadel   19:58:23   7   0.307692     15   1 Winner   3 Alaadel   19:58:53   19   0.333334     15   1 Winner   3 Cappananty Con   06:55:26   0   0.25     15   1 Winner   3 Cappananty Con   07:48:17   6   0.285714     15   1 Winner   3 Cappananty Con   19:23:30   21   0.333333     15   1 Winner   3 Cappananty Con   19:48:19   8   0.36636     15   1 Winner   3 Cappananty Con   19:55:29   11   0.36636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.36636		15	1 Winner		3 Alaadel	10:25:	53 8	0.333333
15   1 Winner   3 Alaadel   19:58:23   7   0.307692     15   1 Winner   3 Alaadel   19:58:53   19   0.333334     15   1 Winner   3 Cappananty Con   06:55:26   0   0.25     15   1 Winner   3 Cappananty Con   19:23:30   21   0.333333     15   1 Winner   3 Cappananty Con   19:48:19   8   0.363636     15   1 Winner   3 Cappananty Con   19:58:29   11   0.363636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:50:05   17   0.363636     15   1 Winner   3 Maakaasib   10:50:37   19   0.333333		15	1 Winner		3 Alaadel	19:46:	51 28	0.285714
15   1 Winner   3 Alaadel   19:58:53   19   0.333334     15   1 Winner   3 Cappananty Con   06:55:26   0   0.25     15   1 Winner   3 Cappananty Con   07:48:17   6   0.285714     15   1 Winner   3 Cappananty Con   19:23:30   21   0.333333     15   1 Winner   3 Cappananty Con   19:48:19   8   0.363636     15   1 Winner   3 Cappananty Con   19:55:29   11   0.363636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   10:55:36   0   0.333333     15   1 Winner   3 Maakaasib   10:55:37   19   0.333333     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333 <t< td=""><td></td><td>15</td><td>1 Winner</td><td></td><td>3 Alaadel</td><td>19:56:</td><td>31 7</td><td>0.266666</td></t<>		15	1 Winner		3 Alaadel	19:56:	31 7	0.266666
15   1 Winner   3 Cappananty Con   06:55:26   0   0.25     15   1 Winner   3 Cappananty Con   07:48:17   6   0.285714     15   1 Winner   3 Cappananty Con   19:23:30   21   0.333333     15   1 Winner   3 Cappananty Con   19:55:29   11   0.36366     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:54   19   0.285714     15   1 Winner   3 Cappananty Con   19:58:54   19   0.285714     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:05:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714 <t< td=""><td></td><td>15</td><td>1 Winner</td><td></td><td>3 Alaadel</td><td>19:58:</td><td>23 7</td><td>0.307692</td></t<>		15	1 Winner		3 Alaadel	19:58:	23 7	0.307692
15   1 Winner   3 Cappananty Con   07:48:17   6   0.285714     15   1 Winner   3 Cappananty Con   19:23:30   21   0.333333     15   1 Winner   3 Cappananty Con   19:48:19   8   0.363636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714		15	1 Winner		3 Alaadel	19:58:	53 19	0.333334
15   1 Winner   3 Cappananty Con   19:23:30   21   0.333333     15   1 Winner   3 Cappananty Con   19:48:19   8   0.363636     15   1 Winner   3 Cappananty Con   19:55:29   11   0.363636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:54   19   0.285714     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   19:16:41   35   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.236662		15	1 Winner		3 Cappananty Con	06:55:	26 0	0.25
15   1 Winner   3 Cappananty Con   19:48:19   8   0.363636     15   1 Winner   3 Cappananty Con   19:55:29   11   0.363636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:54   19   0.285714     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666		15	1 Winner		3 Cappananty Con	07:48:	17 6	0.285714
15   1 Winner   3 Cappananty Con   19:55:29   11   0.363636     15   1 Winner   3 Cappananty Con   19:58:17   6   0.33333     15   1 Winner   3 Cappananty Con   19:58:54   19   0.285714     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.33333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15		15	1 Winner		3 Cappananty Con	19:23:	30 21	0.333333
15   1 Winner   3 Cappananty Con   19:58:17   6   0.333333     15   1 Winner   3 Cappananty Con   19:58:54   19   0.285714     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15 <td></td> <td>15</td> <td>1 Winner</td> <td></td> <td>3 Cappananty Con</td> <td>19:48:</td> <td>19 8</td> <td>0.363636</td>		15	1 Winner		3 Cappananty Con	19:48:	19 8	0.363636
15   1 Winner   3 Cappananty Con   19:58:54   19   0.285714     15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Cappananty Con	19:55:	29 11	0.363636
15   1 Winner   3 Maakaasib   06:55:26   0   0.333333     15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Cappananty Con	19:58:	17 6	0.333333
15   1 Winner   3 Maakaasib   07:26:40   20   0.363636     15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Cappananty Con	19:58:	54 19	0.285714
15   1 Winner   3 Maakaasib   10:05:05   17   0.363636     15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	06:55:	26 0	0.333333
15   1 Winner   3 Maakaasib   10:53:37   19   0.333333     15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	07:26:	40 20	0.363636
15   1 Winner   3 Maakaasib   12:09:38   32   0.307692     15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	10:05:	05 17	0.363636
15   1 Winner   3 Maakaasib   18:30:02   51   0.285714     15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	10:53:	37 19	0.333333
15   1 Winner   3 Maakaasib   18:37:59   34   0.235294     15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	12:09:	38 32	0.307692
15   1 Winner   3 Maakaasib   19:16:41   35   0.307692     15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	18:30:	02 51	0.285714
15   1 Winner   3 Maakaasib   19:33:14   24   0.266666     15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	18:37:	59 34	0.235294
15   1 Winner   3 Maakaasib   19:46:22   44   0.333334     15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	19:16:	41 35	0.307692
15   1 Winner   3 Maakaasib   19:53:40   7   0.363636     15   1 Winner   3 Maakaasib   19:58:22   7   0.4		15	1 Winner		3 Maakaasib	19:33:	14 24	0.266666
15 1 Winner 3 Maakaasib 19:58:22 7 0.4		15	1 Winner		3 Maakaasib	19:46:	22 44	0.333334
		15	1 Winner		3 Maakaasib	19:53:	40 7	0.363636
15 1 Winner 3 Maakaasib 19:58:53 19 0.444444		15	1 Winner		3 Maakaasib	19:58:	22 7	0.4
		15	1 Winner		3 Maakaasib	19:58:	53 19	0.44444

This then should be converted into this table which again takes 10 second intervals and compares the most recent price information from that bookmaker on all horses, displays it as a bookmaker and then produces the graph shown on the right which comapres the market overround from graph 1 to the this bookmaker. It requested that we are able to plot multiples

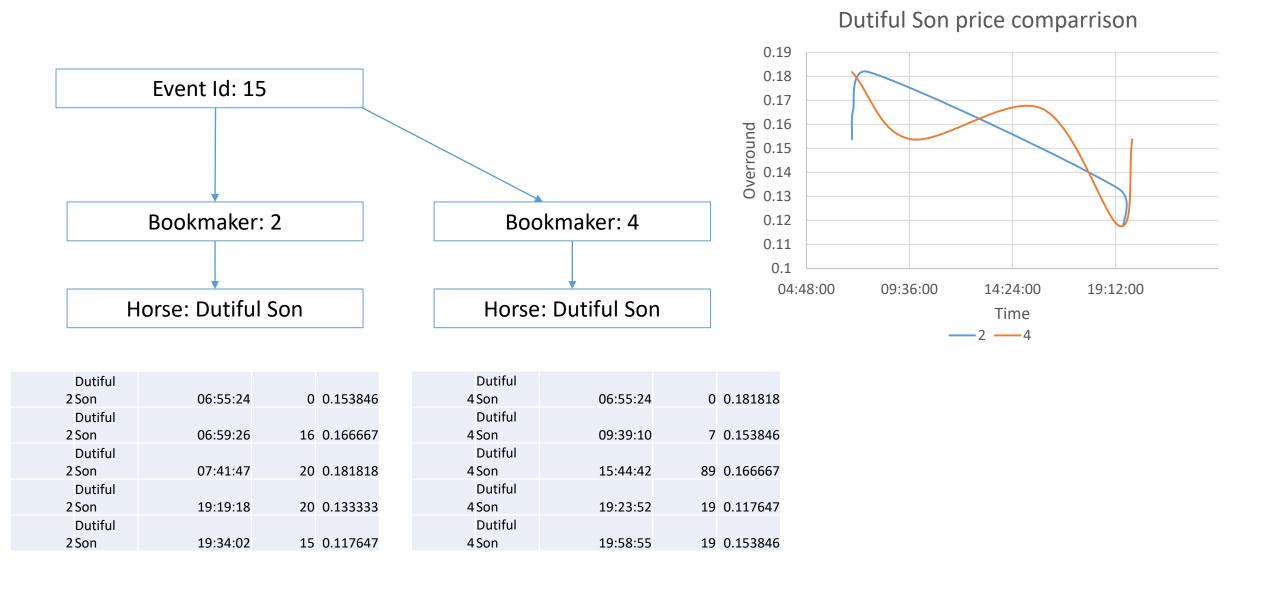
bookmakers on the same graph. (up to 5)

				Overround	Overround market from	
Time	Maakaasib		Cappananty Con	Bookmaker	graph 1	
19:50:30	0.4	0.31		1.01	0.983428	
19:50:40	0.4	0.31		1.01	0.983428	
19:50:50	0.4	0.31		1.01	0.983428	
19:51:00	0.4	0.31		1.01	1.005405	
19:51:10	0.4	0.31		1.01	1.005405	
19:51:20	0.4	0.31		1.01	1.005405	
19:51:30	0.4	0.31		1.01	1.005405	
19:51:40	0.4	0.31		1.01	1.005405	Overround bookmaker v Overround market
19:51:50	0.4	0.31		1.01	1.005405	11
19:52:00	0.4	0.31		1.01	1.005405	
19:52:10	0.4	0.31		1.01	0.983428	1.08
19:52:20	0.4	0.31		1.01	0.983428	• • • • • • • • • • • • • • • • • • •
19:52:30	0.4	0.31		1.04	0.961278	1.06
19:52:40	0.4	0.31	•	1.04	0.912914	
19:52:50	0.4	0.3	•	1.03	0.912914	1.04
19:53:00	0.4	0.3		1.03	0.912914	1.02
19:53:10	0.4	0.3		1.03	0.934892	
19:53:20	0.4	0.3		1.03	0.934892	1
19:53:30	0.4	0.3		1.03	0.934892	
19:53:40	0.44	0.3		1.07	0.960533	0.98
19:53:50	0.44	0.3		1.07	0.960533	
19:54:00	0.44	0.3		1.07	0.960533	0.96
19:54:10	0.44	0.3		1.09	0.960533	0.04
19:54:20	0.44	0.3		1.09	0.960533	0.94
19:54:30	0.44	0.3		1.09	0.960533	0.92
19:54:40	0.44	0.3		1.09	0.960533	<b>6-0-</b> €
19:54:50	0.44	0.3		1.09	0.960533	0.9
19:55:00	0.44	0.3		1.09	0.960533	19:50:10 19:50:53 19:51:36 19:52:19 19:53:02 19:53:46 19:54:29 19:55:12 19:55:55
19:55:10	0.44	0.3		1.09	0.960533	Overround Bookmaker Overround market
19:55:20	0.44	0.3	0.35	1.09	0.960533	Overround Bookmaker
19:55:30	0.44	0.3	0.35	1.09	0.960533	

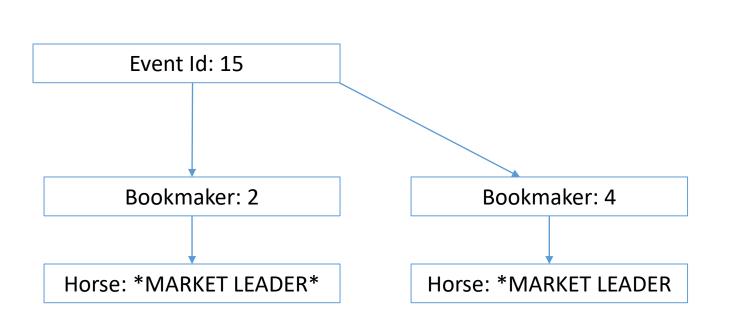
## Graph 3

• The price of any horse plotted against time for bookmakers chosen.

I imagine this to be constructed using a number of drop down menus like this, each one going to get a data set of odds against time which can be plotted. Then plot them against each other.



As some additional functionality. Can the drop down menu include the option to display the market leader. (for table to drive this see next slide





Dutiful 2 Son	06:55:24	0	0.153846
Dutiful 2 Son	06:59:26	16	0.166667
Dutiful 2 Son	07:41:47	20	0.181818
Dutiful 2 Son	19:19:18	20	0.133333
Dutiful 2 Son	19:34:02	15	0.117647

Du 4 Soi	tiful n C	06:55:24	0 0.181818
Du 4 Soi	tiful n C	9:39:10	7 0.153846
Du 4 Soi	tiful 1 1	.5:44:42 8	9 0.166667
Du 4 Soi	tiful n 1	.9:23:52 1	9 0.117647
	tiful		9 0.153846

Time	Maakaasib	Alladell	Cappananty Con	Maximum value	Overround market
19:50:30	0.4	0.31	0.41	0.41	0.983428
19:50:40	0.4	0.31	0.41	0.41	0.983428
19:50:50	0.4	0.31	0.41	0.41	0.983428
19:51:00	0.4	0.31	0.41	0.41	1.005405
19:51:10	0.4	0.31	0.41	0.41	1.005405
19:51:20	0.4	0.31	0.41	0.41	1.005405
19:51:30	0.4	0.31	0.41	0.41	1.005405
19:51:40	0.4	0.31	0.405	0.405	1.005405
19:51:50	0.4	0.31	0.405	0.405	1.005405
19:52:00	0.4	0.31	0.405	0.405	1.005405
19:52:10	0.4	0.31	0.405	0.405	0.983428
19:52:20	0.4	0.31	0.405	0.405	0.983428
19:52:30	0.4	0.31	0.405	0.405	0.961278
19:52:40	0.4	0.31	0.405	0.405	0.912914
19:52:50	0.4	0.3	0.405	0.405	0.912914
19:53:00	0.4	0.3	0.405	0.405	0.912914
19:53:10	0.4	0.3	0.405	0.405	0.934892
19:53:20	0.4	0.3	0.375	0.4	0.934892
19:53:30	0.4	0.3	0.375	0.4	0.934892
19:53:40	0.44	0.3	0.375	0.44	0.960533
19:53:50	0.44	0.3	0.375	0.44	0.960533
19:54:00	0.44	0.3	0.33	0.44	0.960533
19:54:10	0.44	0.3	0.35	0.44	0.960533
19:54:20	0.44	0.3	0.35	0.44	0.960533
19:54:30	0.44	0.3	0.35	0.44	0.960533
19:54:40	0.44	0.3	0.35	0.44	0.960533
19:54:50	0.44	0.3	0.35	0.44	0.960533
19:55:00	0.44	0.3	0.35	0.44	0.960533
19:55:10	0.44	0.3	0.35	0.44	0.960533
19:55:20	0.44	0.3	0.35	0.44	0.960533
19:55:30	0.44	0.3	0.35	0.44	0.960533

The values shown in the previous graph can be obtained by reviewing the maximum value of any row from the bookmaker overround comparison in graph 2. as shown here.

## Please remember

• At the end we need the ability to export the graphs out of R into a pdf