

Codebook for Actual Internet Sports Gambling Activity: February 2005 through September 2005

This codebook provides information for both the raw and analytic datasets used to generate the first epidemiological report of actual Internet sports betting (LaBrie et al., 2007). These datasets come from the collaborative Internet gambling research project between the Division on Addictions (DOA) and bwin Interactive Entertainment, AG (bwin), an Internet betting service provider headquartered in Vienna, Austria. These datasets provide evidence from the first eight months of the first prospective longitudinal, real-time, Internet sports betting behavior study that took place from February 1, 2005 through September 30, 2005. The analytic dataset contains information representing eight months of aggregated betting behavior data for 40,499 sequential bwin Internet sports subscribers who opened an account with bwin during the period from February 1, 2005 through February 27, 2005.

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Related publication(s): LaBrie, R. A., LaPlante, D. A., Nelson, S. E., Schumann, A., & Shaffer, H. J. (2007). Assessing the playing field: A prospective longitudinal study of Internet sports gambling behavior. *Journal of Gambling Studies*, 23, 347-362.

Raw Dataset I - Demographics

The raw dataset, Demographics, contains the following demographic information: User ID, Country of Residence, Language, Gender, Registration Date, First Pay-in Date, First Active Date, First Sports Book Active Date, First Casino Active Date, First Games Active Date, First Poker Active Date, and Application ID. Information about City of Residence and Date of Birth are censored to protect participant privacy and comply with institutional review board (IRB) requirements.

Raw Dataset II - UserDailyAggregation

The raw dataset, UserDailyAggregation, contains the actual betting information associated with each product (please see appendix 1) for each participant for each calendar day with at least one transaction from February 1, 2005 through September 30, 2005. This dataset contains the following information: User ID, Date, Betting Product, Stakes, Winnings, and Bets. All transactions have been converted to Euros.

Raw Dataset III - PokerChipConversions

The raw dataset, PokerChipConversions, contains the actual poker chip transaction information from February 1, 2005 through September 30, 2005. The DOA obtained summaries of poker play in terms of poker chip transactions to and from the poker site for each poker session. The poker transaction information includes User ID, Transaction Date/Time, Transaction Type (buy or sell), and Transaction Amount.

Analytic Dataset - Actual Internet Sports Gambling Activity: February 2005 through September 2005

This analytic dataset contains actual betting behavior data for both fixed-odds and live-action sports book betting for each participant aggregated over the eight-month study period from February 1, 2005 through September 30, 2005.

Participants who had no missing values for first active date and who registered during the period of February 1, 2005 through February 27, 2005 were entered into the analytic dataset (i.e., in the raw dataset Demographics, variable FirstAct does not equal missing and variable RegDate ranges from February 1, 2005 through February 27, 2005). The DOA transferred the following variables for each participant from the raw dataset Demographics to the analytic dataset: UserID, Country, Language, Gender, RegDate, FirstPay, and computed Age (age at registration) from the raw dataset Demographics.

The DOA excluded records in the raw dataset UserDailyAggregation that took place before the first pay-in date (i.e., variable FirstPay in raw dataset Demographics) in the preparation of the analytic dataset. The exclusion controlled for activities financed by promotional money that might not reflect the participants' behavior when personal funds are at stake. First active date of each product

(not including poker) was identified from the raw dataset UserDailyAggregation, and first poker active date was identified by first date of poker chip purchase from raw dataset PokerChipConversions. Therefore, first active date was assigned as the earliest date of the first active date of all betting products. The final analytic cohort (n=40,499) includes only participants whose first active date was before September 1, 2005 and who betted on sports book (fixed-odds or/and live-action).

The DOA computed the following measures for both fixed-odds and live-action sports book betting by summing the data in raw dataset UserDailyAggregation: TotalStakes, TotalWinnings, TotalBets, and TotalDaysActive. The DOA also identified FirstActiveDate and LastActiveDate for both fixed-odds and live-action sports book betting from the raw dataset UserDailyAggregation. Variable FirstSportsActiveDate is defined as the earlier date of fixed-odds first active date and live-action first active date.

Variables in Raw Dataset I “Demographics”

Variable	Data Type	Description	N	Min	Max	Note
UserID	Numeric	User ID	42649	1324354	1402198	User ID was assigned to each participant by bwin at time of registration.
Country	Numeric	Country of Residence	42649	8	895	Please see appendix 2.
Language	Numeric	Primary Language	42649	1	17	Please see appendix 3.
Gender	Numeric	Gender	42649	0	1	0: female; 1: male
RegDate	Text	Registration Date	42649	Feb-01-2005	Feb-27-2005	Date of registration.
FirstPay	Text	First Pay-in Date	42649	Feb-01-2005	Oct-02-2005	Participant’s first betting money deposits date.
FirstAct	Text	First Active Date	42647	Feb-01-2005	Oct-02-2005	Participant’s first active play date.
FirstSp	Text	First Sports	41413	Feb-01-2005	Oct-02-2005	Participant’s first sports book

		Book Play Date				play date.
FirstCa	Text	First Casino Play Date	5888	Feb-01-2005	Oct-02-2005	Participant's first casino play date.
FirstGa	Text	First Games Play Date	3273	Feb-01-2005	Oct-02-2005	Participant's first games play date.
FirstPo	Text	First Poker Play Date	2142	Feb-01-2005	Oct-02-2005	Participant's first poker play date.
ApplicationID	Numeric	Betting Application	42649	1	42	Different route of access to bwin. Please see appendix 4.

Variables in Raw Dataset II "UserDailyAggregation"

Variable	Data Type	Description	N	Min	Max	Note
UserID	Numeric	User ID	1740196	1324354	1405190	User ID was assigned to each participant by bwin at time of registration.
Date	Text	Date of Betting Activities Aggregation	1740196	Feb-01-2005	Sep-30-2005	Date of betting activity aggregation.
ProductID	Numeric	Betting Product ID	1740196	1	8	Different betting product each participant betted on. Please see appendix 1.
Stakes	Numeric	Total Betting Money (Euro)	1740196	-28.30	272415.5	Total betting stakes on a given day (Euro). The negative numbers was due to the accounting system correction.
Winnings	Numeric	Total Winnings	1740196	-40	270222.0	Total betting winnings on a given day (Euro). The negative numbers

		Credited To Participant (Euro)				was due to the accounting system correction.
Bets	Numeric	Total Number of Bets	1740196	-1	6223	Total number of bets on a given day. The negative numbers was due to the accounting system correction.

Variables in Raw Dataset III “PokerChipConversions”

Variable	Data Type	Description	N	Min	Max	Note
UserID	Numeric	User ID	275480	1324355	1402198	User ID was assigned to each participant by bwin at time of registration.
TransDateTime	Text	Poker Chip Transaction Date and Time	275480	Feb-01-2005	Sep-30-2005	Poker chip transaction date and time.
TransType	Numeric	Poker Chip Transaction Type	275480	24	124	124: sell; 24: buy
TransAmount	Numeric	Poker Chip Transaction Amount (Euro)	275480	0.000064437	15995.53	Poker chip transaction amount (Euro).

Variables in Analytic Dataset “Actual Internet Sports Gambling Activity: February 2005 through September 2005”

Variable	Data Type	Description	N	Min	Max	Note
UserID	Numeric	User ID	40499	1324354	1402197	User ID was assigned to each participant by bwin at time of registration.
Country	Numeric	Country of Residence	40499	8	895	Please see appendix 2.
Language	Numeric	Primary Language	40499	1	17	Please see appendix 3.
RegistrationDate	Numeric	Registration Date	40499	Feb-01-2005	Feb-27-2005	Date of registration.
Age	Numeric	Age at Registration	40499	14	105	Age of each participant at registration in years (year of registration subtracts year of birth).
Gender	Numeric	Gender	40498	0	1	0: female; 1: male
FOTotalStakes	Numeric	Total Fixed-Odds Stakes (Euro)	39719	0	380094.01	Total stakes each participant betted on fixed-odds plays from February 1, 2005 through September 30, 2005.
FOTotalWinnings	Numeric	Total Fixed-Odds Winnings (Euro)	39719	0	420949.32	Total winnings each participant received on fixed-odds plays from February 1, 2005 through September 30, 2005.
FOTotalBets	Numeric	Total Fixed-Odds Bets (Euro)	39719	1	26345	Total number of bets each participant betted on fixed-odds plays from February 1, 2005 through September 30, 2005.
FOFirstActiveDate	Numeric	First Fixed-	39719	Feb-01-2005	Sep-29-2005	First date of fixed-odds play of

		Odds Active Date				each participant from February 1, 2005 through September 30, 2005.
FOLastActiveDate	Numeric	Last Fixed-Odds Active Date	39719	Feb-01-2005	Sep-30-2005	Last date of fixed-odds play of each participant from February 1, 2005 through September 30, 2005.
FOTotalDaysActive	Numeric	Total Fixed-Odds Days Active	39719	1	310	Total days of active fixed-odds plays of each participant from February 1, 2005 through September 30, 2005.
LATotalStakes	Numeric	Total Live-Action Stakes (Euro)	24794	0	384518.29	Total stakes each participant betted on live-action plays from February 1, 2005 through September 30, 2005.
LATotalWinnings	Numeric	Total Live-Action Winnings (Euro)	24794	0	375005.99	Total winnings each participant received on live-action plays from February 1, 2005 through September 30, 2005.
LATotalBets	Numeric	Total Live-Action Bets (Euro)	24794	0	21230	Total number of bets each participant betted on live-action plays from February 1, 2005 through September 30, 2005.
LAFirstActiveDate	Numeric	First Live-Action Active Date	24794	Feb-01-2005	Sep-30-2005	First date of live-action play of each participant from February 1, 2005 through September 30, 2005.
LALastActiveDate	Numeric	Last Live-Action Active Date	24794	Feb-01-2005	Sep-30-2005	Last date of live-action play of each participant from February 1, 2005 through September 30,

						2005.
LATotalDaysActive	Numeric	Total Live-Action Days Active	24793	1	234	Total days of active live-action plays of each participant from February 1, 2005 through September 30, 2005.
FirstSportsActiveDate	Numeric	First Sports Book Active Date	40499	Feb-01-2005	Sep-29-2005	First date of active sports book play for each participant from February 1, 2005 through September 30, 2005.

Appendix 1: Codings for ProductID

ProductID	Product Description
1	Sports book fixed-odd
2	Sports book live-action
3	Poker BossMedia
4	Casino BossMedia
5	Supertoto
6	Games VS
7	Games bwin
8	Casino Chartwell

Appendix 2: Codings for Country

Country	Country Name
4	Afghanistan
8	Albania

10	Antarctica
12	Algeria
16	American Samoa
20	Andorra
24	Angola
28	Antigua and Barbuda
31	Azerbaijan
32	Argentina
36	Australia
40	Austria
44	Bahamas
48	Bahrain
50	Bangladesh
51	Armenia
52	Barbados
56	Belgium
60	Bermuda
64	Bhutan
68	Bolivia
70	Bosnia and Herzegovina
72	Botswana
74	Bouvet Island
76	Brazil
84	Belize
86	British Indian Ocean Territory
90	Solomon Islands
92	Virgin Islands (British)
96	Brunei Darussalam
100	Bulgaria
104	Myanmar

108	Burundi
112	Belarus
116	Cambodia
120	Cameroon
124	Canada
132	Cape Verde
136	Cayman Islands
140	Central African Republic
144	Sri Lanka
148	Chad
152	Chile
156	China
158	Taiwan
162	Christmas Island
166	Cocos (Keeling) Islands
170	Colombia
174	Comoros
175	Mayotte
178	Congo
180	the Democratic Republic of the Congo
184	Cook Islands
188	Costa Rica
191	Croatia
192	Cuba
196	Cyprus
203	Czech Republic
204	Benin
208	Denmark
212	Dominica
214	Dominican Republic

218	Ecuador
222	El Salvador
226	Equatorial Guinea
231	Ethiopia
232	Eritrea
233	Estonia
234	Faroe Islands
238	Falkland Islands
242	Fiji
246	Finland
250	France
254	French Guinea
258	French Polynesia
260	French Southern Territories
262	Djibouti
266	Gabon
268	Georgia
270	Gambia
276	Germany
288	Ghana
292	Gibraltar
296	Kiribati
300	Greece
304	Greenland
308	Grenada
312	Guadeloupe
316	Guam
320	Guatemala
324	Guinea
328	Guyana

332	Haiti
334	Heard and Mc Donald Islands
336	Vatican City State (Holy See)
340	Honduras
344	Hong Kong
348	Hungary
352	Iceland
356	India
360	Indonesia
364	Iran
368	Iraq
372	Ireland
376	Israel
380	Italy
384	Cote d'Ivoire
388	Jamaica
392	Japan
398	Kazakhstan
400	Jordan
404	Kenya
408	Korea, Republic of
410	Korea (South)
414	Kuwait
417	Kyrgyzstan
418	Lao Peoples Democratic Republic
422	Lebanon
426	Lesotho
428	Latvia
430	Liberia
434	Libya

438	Liechtenstein
440	Lithuania
442	Luxembourg
446	Macau
450	Madagascar
454	Malawi
458	Malaysia
462	Maldives
466	Mali
470	Malta
474	Martinique
478	Mauritania
480	Mauritius
484	Mexico
492	Monaco
496	Mongolia
498	Moldavia
500	Montserrat
504	Morocco
508	Mozambique
512	Oman
516	Namibia
520	Nauru
524	Nepal
528	Holland
530	Netherlands Antilles
533	Aruba
540	New Caledonia
548	Vanuatu
554	New Zealand

558	Nicaragua
562	Niger
566	Nigeria
570	Niue
574	Norfolk Island
578	Norway
580	Northern Mariana Islands
581	Unites States Minor Outlying Islands
583	Micronesia, Federated States of
584	Marshall Islands
585	Palau
586	Pakistan
591	Panama
598	Papua New Guinea
600	Paraguay
604	Peru
608	Philippines
612	Pitcairn
616	Poland
620	Portugal
624	Guinea-Bissau
626	East Timor
630	Puerto Rico
634	Qatar
638	Reunion
642	Romania
643	Russian Federation
646	Rwanda
654	St. Helena
659	Saint Kitts and Nevis

660	Anguilla
662	St. Lucia
666	St. Pierre and Miquelon
670	Saint Vincent and the Grenadines
674	San Marino
678	Sao Tome and Principe
682	Saudi Arabia
686	Senegal
690	Seychelles
694	Sierra Leone
702	Singapore
703	Slovakia
704	Vietnam
705	Slovenia
706	Somalia
710	South Africa
716	Zimbabwe
724	Spain
732	Western Sahara
736	Sudan
740	Suriname
744	Svalbard and Jan Mayen Islands
748	Swaziland
752	Sweden
756	Switzerland
760	Syria
762	Tajikistan
764	Thailand
768	Togo
772	Tokelau

776	Tonga
780	Trinidad and Tobago
784	United Arab Emirates
788	Tunesia
792	Turkey
795	Turkmenistan
796	Turks and Caicos Islands
798	Tuvalu
800	Uganda
804	Ukraine
807	FYR Macedonia
818	Egypt
826	United Kingdom
834	Tanzania
840	USA
850	United States Virgin Islands
854	Burkina Faso
858	Uruguay
860	Uzbekistan
862	Venezuela
876	Wallis and Futuna Islands
882	Samoa (Independent)
887	Yemen
891	Serbia and Montenegro
894	Zambia
895	Diego Garcia
896	Ascension
897	Australian overseas territories
898	Tokelau
1000	Undefined

Appendix 3: Codings for Language

Language	Language Description
1	English
2	German
3	Italian
4	Spanish
5	Swedish
6	French
7	Turkish
8	Greek
9	Polish
10	Norwegian
11	Danish
12	Catalan
13	Czech
14	Hungarian
15	Dutch
16	Portuguese
17	Russian
18	Slovenian
19	Croatian
20	Slovak
21	Simple Chinese
22	Traditional Chinese

Appendix 4: Codings for ApplicationID

ApplicationID	Application Description
1	BETANDWIN.COM
2	TRIPLE-A-CASINO.COM
3	BETANDWIN.DE
4	WAP.BETANDWIN.COM
5	SMS MOBILE BETTING APPLICATION
6	CHARITY
7	DOLCEVITACASINO.COM
8	BALLS OF FIRE
9	BETEUROPE.COM
10	BAHSEGIR.COM
11	CASINO.BETEUROPE.COM
12	WWW.CASINOTURK.COM
13	WWW.SANALCASINO.COM
14	BETOTO.COM
15	PLAYIT.COM
16	CASINO.PLAYIT.COM
17	THECROUPIER.COM
18	SMS.BETANDWIN.COM
19	WAP.BETANDWIN.DE
21	BOF.PLAYIT.COM
22	BOF.BETEUROPE.COM
23	BETANDWIN POKER
24	BETANDWIN CASINO
26	SMS.BETANDWIN.DE
27	LOTTERY.BETOTO.COM
28	BETWORK.COM

29	WAP.PLAYIT.COM
30	PLAYIT POKER
31	BETEUIROPE POKER
32	BETOTO POKER
33	BETANDWIN GAMES
36	BETOTO CASINO
38	BETEUIROPE GAMES
42	PLAYIT GAMES