



CASINO DISPLAY MANAGEMENT SYSTEM

SET-Europe Casino Display Management System is a convenient way to keep your table games under control with benefits for your guests.

Casino profit:

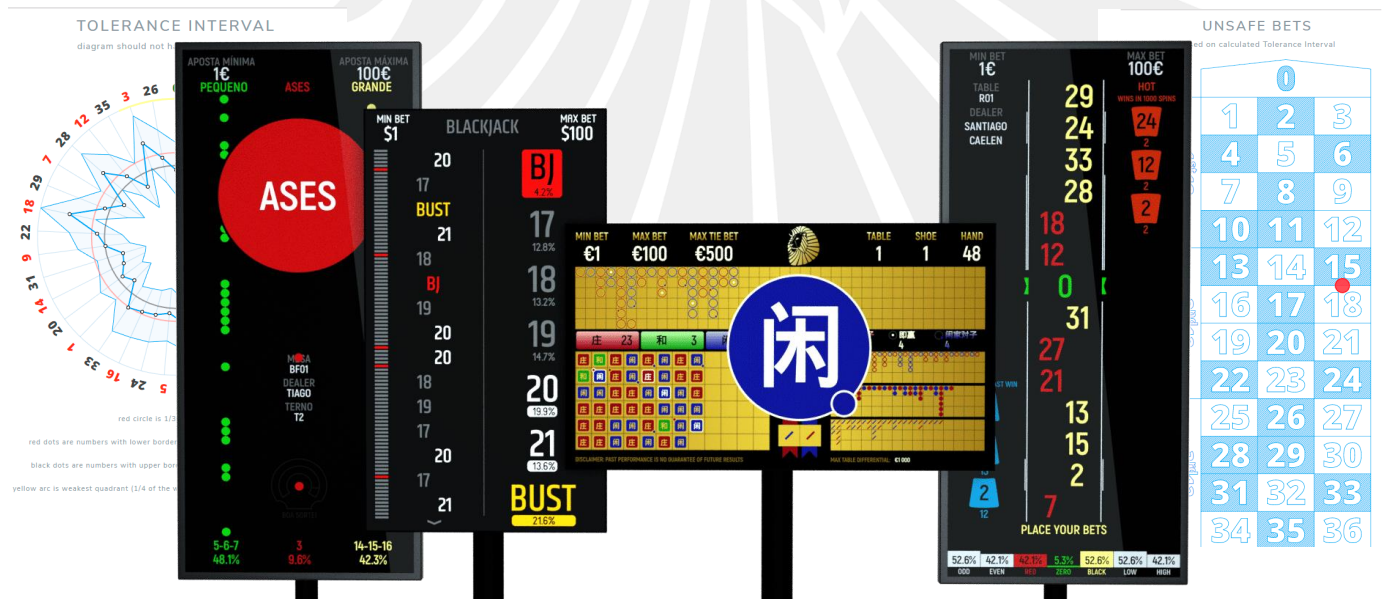
- track dealers's sessions (table openings, games served) with easy PIN authentication
- collect game results to SQL server
- statistical analysis (Gaussian Distribution, Chi-squared Test, Tolerance Intervals, Unsafe Bets detection)
- reports on table results and dealer productivity

Guests get the game information at table displays managed from server:

- table number
- bet limits
- dealer's name
- game history
- statistics

We have solutions for all kinds of roulette, card games, dice games etc.

We can implement displays with statistics software for any custom games or/and side bets without additional charges.



CDMS

CASINO DISPLAY MANAGEMENT SYSTEM



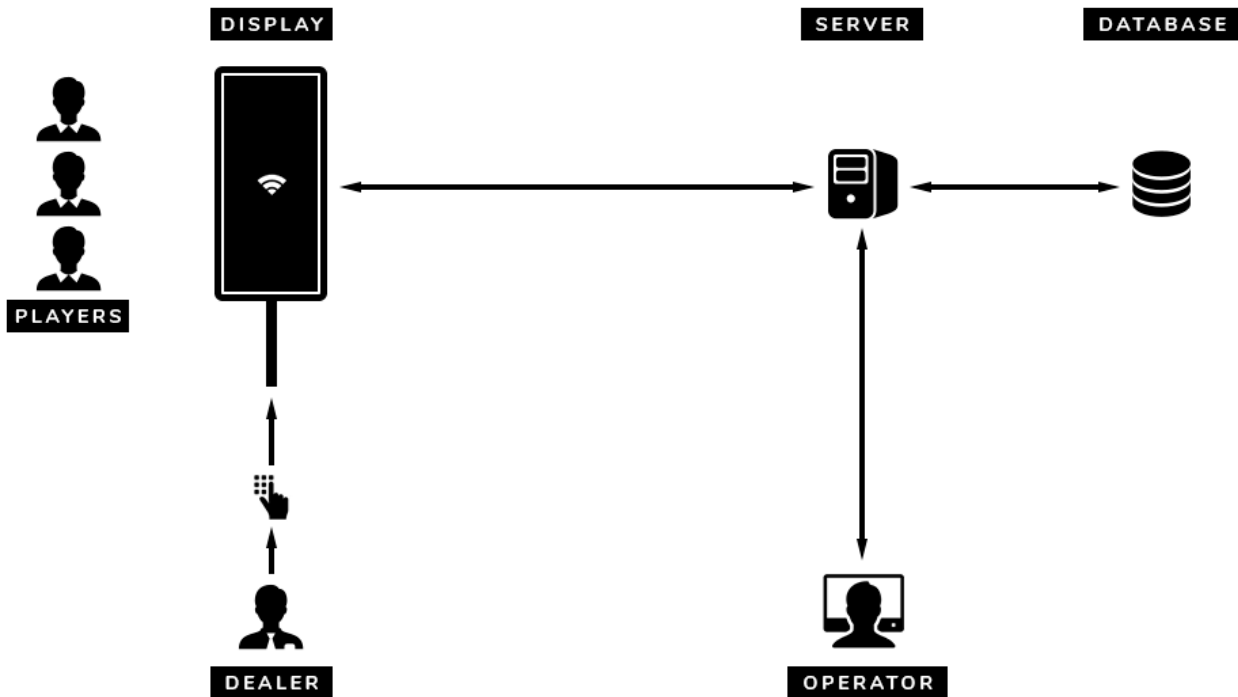
DEFAULT SETTINGS (can be customized):

SERVER: Windows OS

DATABASE: MSSQL 2012

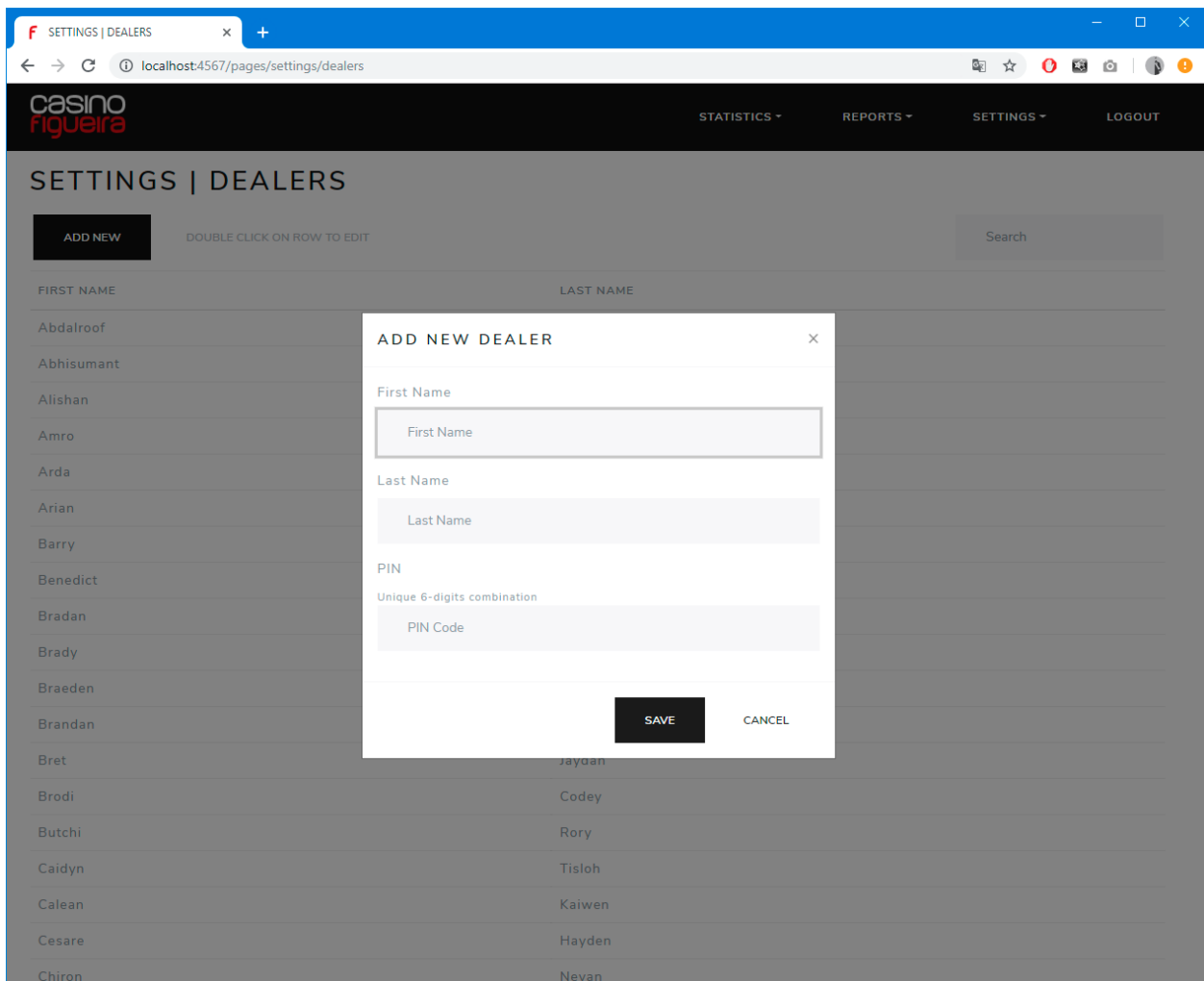
Wi-Fi network for DISPLAYS

PIN-code for DEALERS authentication



1. OPERATOR adds information on each DEALER to CDMS which is stored in DATABASE:

- First name (can be shown on DISPLAY)
- Last name (for reports)
- Unique 6-digit PIN (to authenticate DEALER on DISPLAY)



The screenshot displays the 'SETTINGS | DEALERS' page in a web browser. The page header includes 'casino figueira' and navigation links for 'STATISTICS', 'REPORTS', 'SETTINGS', and 'LOGOUT'. The main content area shows a table of dealers with columns for 'FIRST NAME' and 'LAST NAME'. A modal window titled 'ADD NEW DEALER' is open, allowing the user to add a new dealer. The modal contains three input fields: 'First Name', 'Last Name', and 'PIN' (with a sub-label 'Unique 6-digits combination'). The modal also has 'SAVE' and 'CANCEL' buttons.

2. DEALER enters his PIN on DISPLAY using wireless keypad. It is being send to SERVER and, if PIN is correct, SERVER creates game session in DATABASE and returns its ID and DEALER first name back. DISPLAY shows first name of the DEALER to PLAYERS.



3. DEALER enters game result. DISPLAY shows game result to PLAYERS and sends it to SERVER. Game result record is created in DATABASE.
4. DEALER enters '000000' to close game session.
5. OPERATOR can access CDMS from any PC in the local network using web browser.

Following information is available for OPERATOR:

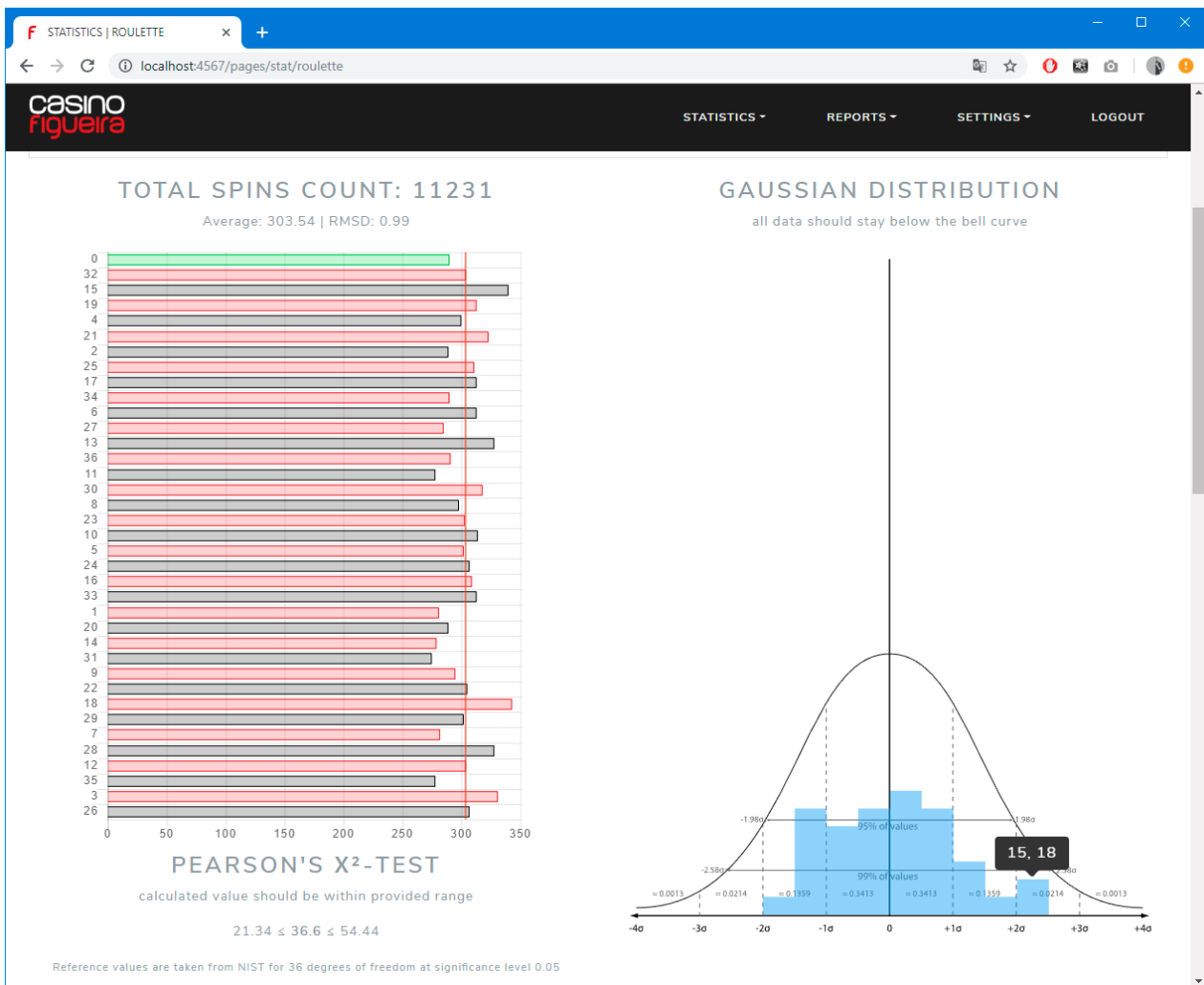
- A. Game session timeline for all tables and game results timeline for selected session grouped by sectors:

The screenshot shows the CDMS web interface. At the top, there's a navigation bar with 'casino figueira' logo and menu items: STATISTICS, REPORTS, SETTINGS, and LOGOUT. Below the navigation bar, the main content area is titled 'TABLES | TIMELINE' and shows a calendar view for '2019-02-07'. The calendar grid displays dealer names for various tables (R1 to R9) across different time slots. For example, HOSEA is at R1 at 18:00, ZAKI HAIDER is at R3 at 20:00, and JORDON TAYO is at R4 at 22:00. Below the calendar, there's a detailed view for 'JORDON TAYO @R4: 10 GAMES IN 58 MINUTES'. This view shows a timeline from 21:40 to 22:30 with game results for BIG, SMALL, and ORPH. sectors. For instance, at 21:40, the BIG result is 19, and at 22:00, the SMALL result is 10.

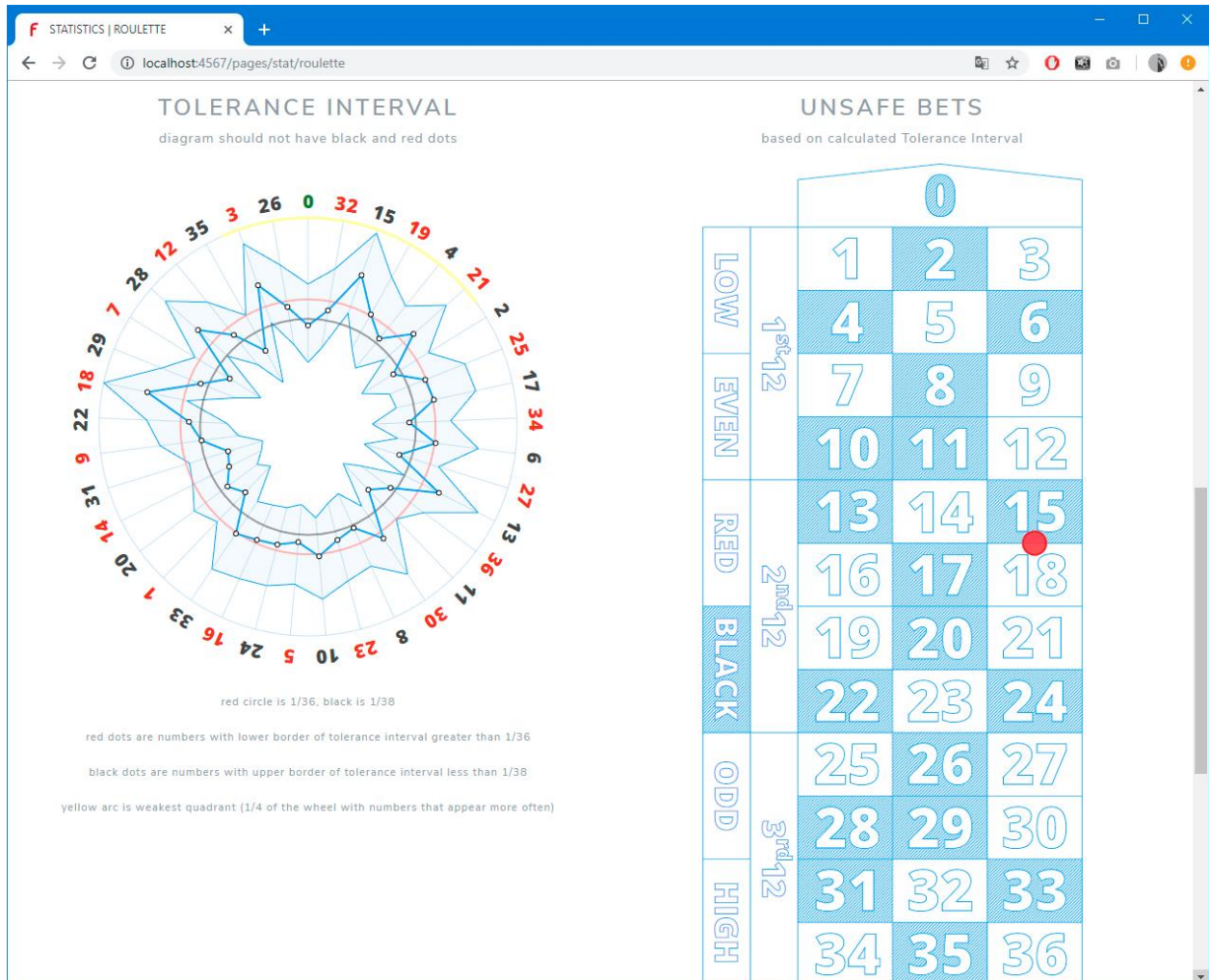
B. Game history and statistical analysis of game results.

For Roulette game, for instance, it includes:

- Pearson's chi-squared test
- Gaussian distribution
- Tolerance interval



Based on calculated Tolerance interval system detects unsafe bets on table:

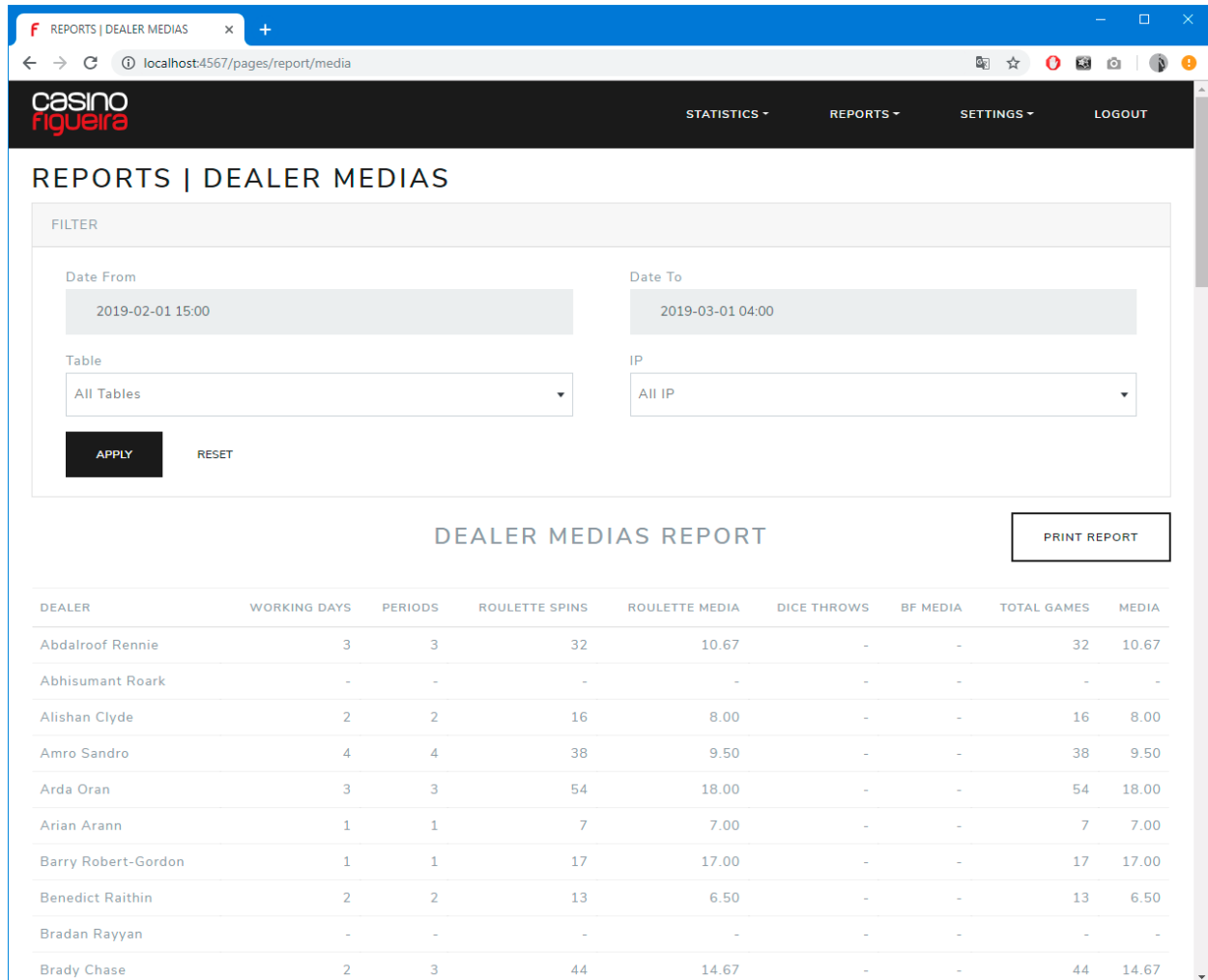


For provided example, Tolerance Interval didn't show any warnings however combination of 15 and 18 shows unsafe 15-18 SPLIT bet which is being detected.

OPERATOR can apply filters on data:

- Time period
- Dealer
- Table
- Wheel for Roulette (Dice Set etc.)
- IP-address

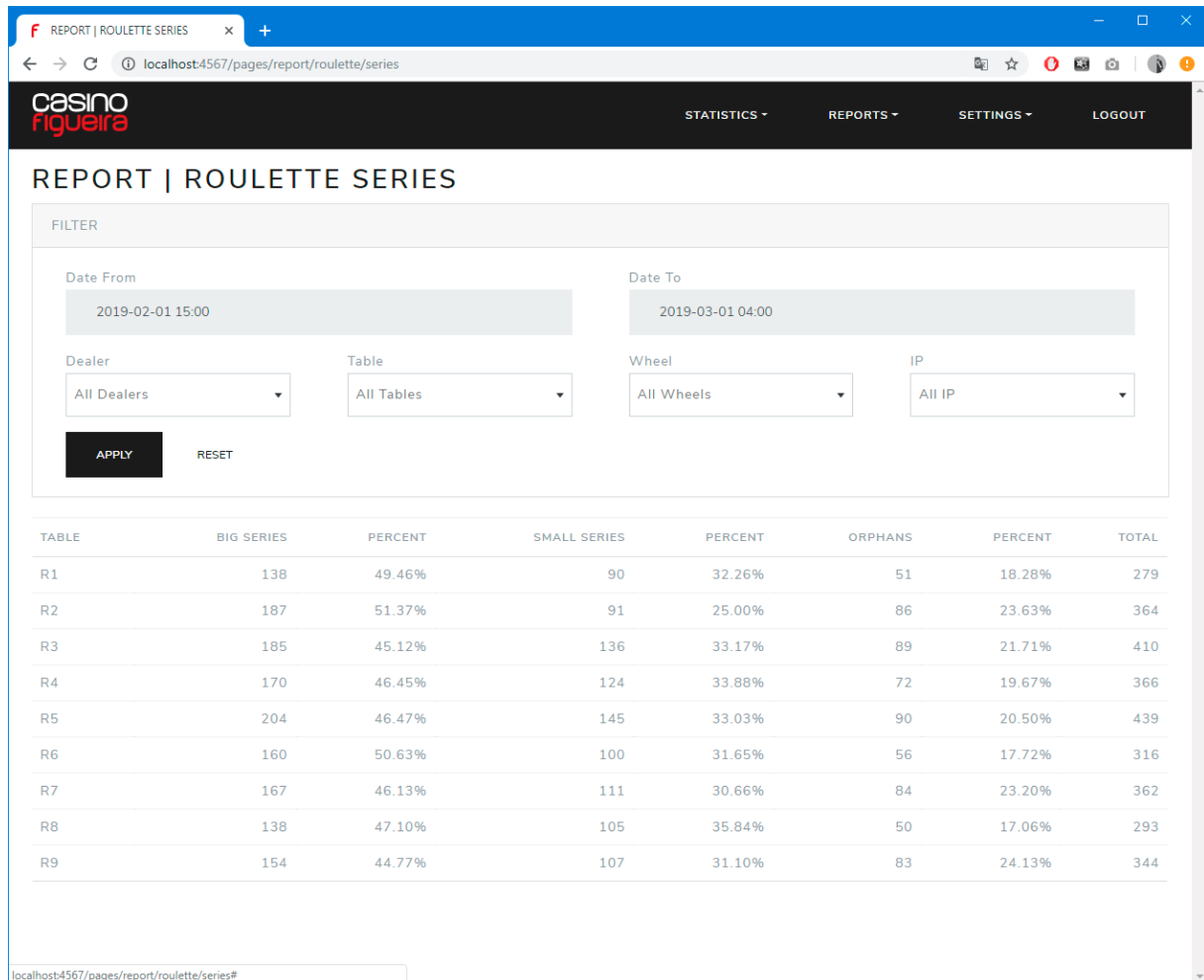
C. Report on DEALERS' productivity (working days, game sessions, games per session):



The screenshot shows a web browser window displaying the 'REPORTS | DEALER MEDIAS' page. The page includes a navigation bar with 'STATISTICS', 'REPORTS', 'SETTINGS', and 'LOGOUT'. Below the navigation bar is a filter section with 'Date From' (2019-02-01 15:00), 'Date To' (2019-03-01 04:00), 'Table' (All Tables), and 'IP' (All IP) dropdowns, along with 'APPLY' and 'RESET' buttons. The main content area is titled 'DEALER MEDIAS REPORT' and features a 'PRINT REPORT' button. Below the title is a table with the following data:

DEALER	WORKING DAYS	PERIODS	ROULETTE SPINS	ROULETTE MEDIA	DICE THROWS	BF MEDIA	TOTAL GAMES	MEDIA
Abdalroof Rennie	3	3	32	10.67	-	-	32	10.67
Abhisumant Roark	-	-	-	-	-	-	-	-
Alishan Clyde	2	2	16	8.00	-	-	16	8.00
Amro Sandro	4	4	38	9.50	-	-	38	9.50
Arda Oran	3	3	54	18.00	-	-	54	18.00
Arian Arann	1	1	7	7.00	-	-	7	7.00
Barry Robert-Gordon	1	1	17	17.00	-	-	17	17.00
Benedict Raithin	2	2	13	6.50	-	-	13	6.50
Bradán Rayyan	-	-	-	-	-	-	-	-
Brady Chase	2	3	44	14.67	-	-	44	14.67

Any custom reports on game results statistics can be provided upon request:



The screenshot shows a web browser window displaying a report titled "REPORT | ROULETTE SERIES". The browser address bar shows "localhost:4567/pages/report/roulette/series". The page header includes the "casino figueira" logo and navigation links for "STATISTICS", "REPORTS", "SETTINGS", and "LOGOUT".

The report interface features a "FILTER" section with the following controls:

- Date From: 2019-02-01 15:00
- Date To: 2019-03-01 04:00
- Dealer: All Dealers
- Table: All Tables
- Wheel: All Wheels
- IP: All IP

Buttons for "APPLY" and "RESET" are located below the filter controls.

The main data is presented in a table with the following columns: TABLE, BIG SERIES, PERCENT, SMALL SERIES, PERCENT, ORPHANS, PERCENT, and TOTAL.

TABLE	BIG SERIES	PERCENT	SMALL SERIES	PERCENT	ORPHANS	PERCENT	TOTAL
R1	138	49.46%	90	32.26%	51	18.28%	279
R2	187	51.37%	91	25.00%	86	23.63%	364
R3	185	45.12%	136	33.17%	89	21.71%	410
R4	170	46.45%	124	33.88%	72	19.67%	366
R5	204	46.47%	145	33.03%	90	20.50%	439
R6	160	50.63%	100	31.65%	56	17.72%	316
R7	167	46.13%	111	30.66%	84	23.20%	362
R8	138	47.10%	105	35.84%	50	17.06%	293
R9	154	44.77%	107	31.10%	83	24.13%	344