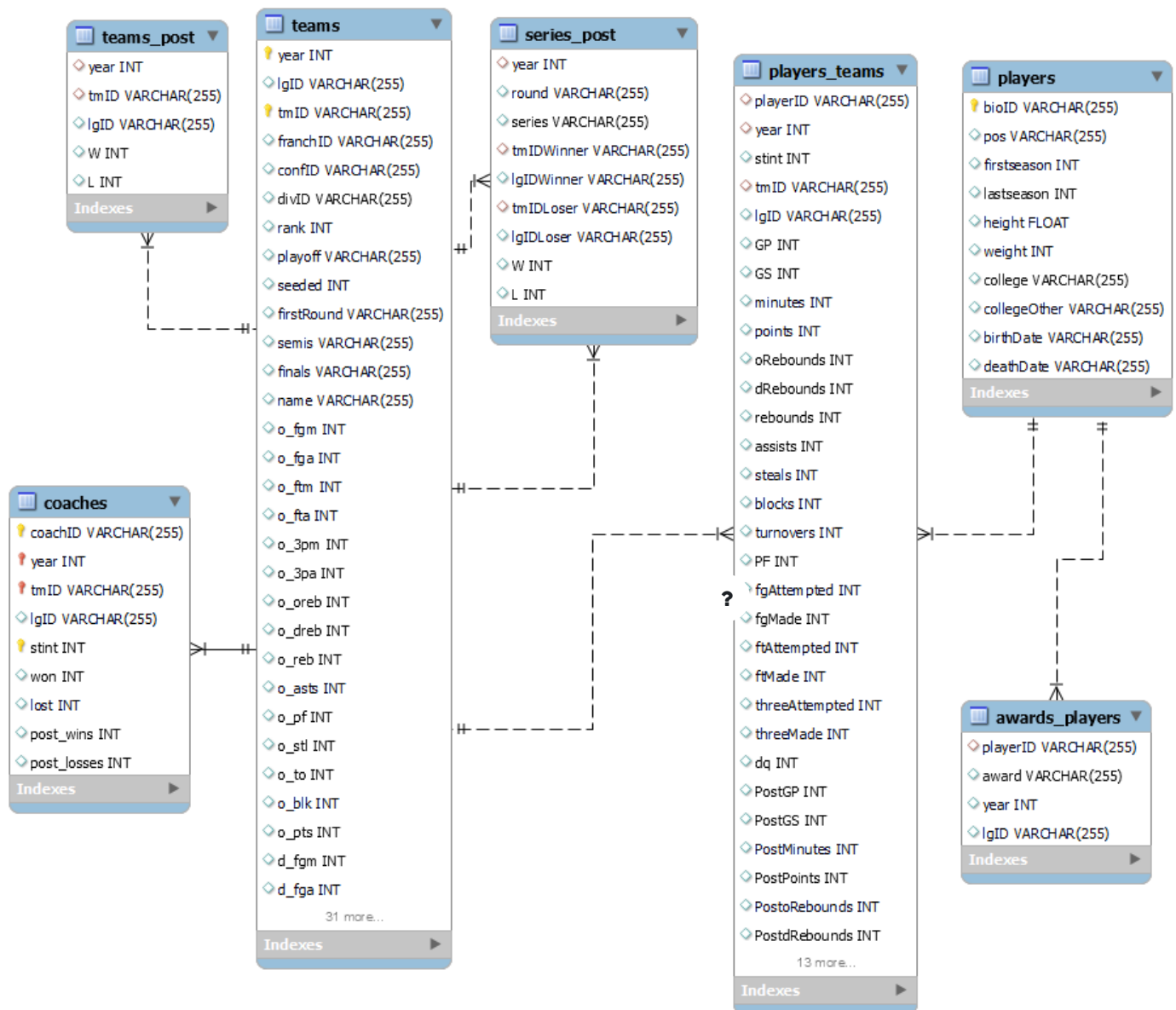


## Task description

Basketball tournaments are usually split in two parts. First, all teams play each other aiming to achieve the greatest number of wins possible. Then, at the end of the first part of the season, a pre determined number of teams which were able to win the most games : qualified to the playoff season, where they play series of knock-out matches for the trophy.

For the 10 years, data from players, teams, coaches, games and several other metrics were gathered and arranged on this dataset. TI is to use this data to predict which teams will qualify for the playoffs in the next season.

## Data description



The data about the players, teams and coaches consist of following relations:

- relation **awards\_players** (96 objects) - each record describes awards and prizes received by players across 10 seasons,
- relation **coaches** (163 objects) - each record describes all coaches who've managed the teams during the time period,
- relation **players** (894 objects) - each record contains details of all players,
- relation **players\_teams** (1877 objects) - each record describes the performance of each player for each team they played,
- relation **series\_post** (71 objects) - each record describes the series' results,

- relation **teams** (143 objects) - each record describes the performance of the teams for each season,
- relation **teams\_post** (81 objects) - each record describes the results of each team at the post-season.

Each account has both static characteristics (e.g. date of creation, address of the branch) given in relation "account" and dynamic characteristics (e.g. payments debited or credited, balances) given in relations "permanent order" and "transaction". Relation "client" describes characteristics of persons who can manipulate with the accounts. One client can have more accounts, more clients can manipulate with single account; clients and accounts are related together in relation "disposition". Relations "loan" and "credit card" describe some services which the bank offers to its clients; more credit cards can be issued to an account, at most one loan can be granted for account. Relation "demographic data" gives some publicly available information about the districts (e.g. the unemployment rate); additional information about the clients can be deduced from this.

## Relation account

item	meaning	remark
account_id	identification of the account	-
district_id	location of the branch	-
date	date of creating of the account	in the form YYMMDD
frequency	frequency of issuance of statements	-

## Relation client

item	meaning	remark
client_id	client identifier	-
birth number	birthday and sex	the number is in the form YYMMDD for men, the number is in the form YYMM+50DD for women,  where YYMMDD is the date of birth
district_id	address of the client	-

## Relation disposition

item	meaning	remark
disp_id	record identifier	-
client_id	identification of a client	-
account_id	identification of an account	-
type	type of disposition (owner/user)	only owner can issue permanent orders and ask for a loan

## Relation permanent order (debits only)

item	meaning	remark
order_id	record identifier	-
account_id	account, the order is issued for	-
bank_to	bank of the recipient	each bank has unique two letter code
account_to	account of the recipient	-
amount	debited amount	-
K_symbol	characterization of the payment	-

## Relation Transaction

-

item	meaning	remark
trans_id	record identifier	-
account_id	account, the transation deals with	-
date	date of transaction	in the form YYMMDD
type	+/- transaction	-
operation	mode of transaction	-
amount	amount of money	-
balance	balance after transaction	
k_symbol	characterization of the transaction	-
bank	bank of the partner	each bank has unique two letter code
account	account of the partner	-

## Relation Loan

item	meaning	remark
loan_id	record identifier	-
account_id	identification of the account	-
date	date when the loan was granted	in the form YYMMDD
amount	amount of money	-
duration	duration of the loan	-
payments	monthly payments	-
status	status of paying off the loan	'A' stands for contract finished, no problems, 'B' stands for contract finished, loan not payed, 'C' stands for running contract, OK so far, 'D' stands for running contract, client in debt

## Relation Credit card

item	meaning	remark
card_id	record identifier	-
disp_id	disposition to an account	-
type	type of card	possible values are "junior", "classic", "gold"
issued	issue date	in the form YYMMDD

## Relation Demographic data

item	meaning	remark
A1 = district_id	district code	-
A2	district name	-
A3	region	-
A4	no. of inhabitants	-
A5	no. of municipalities with inhabitants < 499	-

A6	no. of municipalities with inhabitants 500-1999	-
A7	no. of municipalities with inhabitants 2000-9999	-
A8	no. of municipalities with inhabitants >10000	-
A9	no. of cities	-
A10	ratio of urban inhabitants	-
A11	average salary	-
A12	unemployment rate '95	-
A13	unemployment rate '96	-
A14	no. of entrepreneurs per 1000 inhabitants	-
A15	no. of committed crimes '95	-
A16	no. of committed crimes '96	-

Última alteração: terça-feira, 19 de setembro de 2023 às 08:17

◀ [Registration into project groups](#)

[basketball playoffs - development data](#)

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