数据库表的构建

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1. matches数据表保存各赛季的球队主客场及比分数据

CREATE TABLE IF NOT EXISTS `matches10-11` (

`date` varchar(255) DEFAULT NULL,

`host/guest` varchar(1) DEFAULT NULL,

`name` varchar(3) DEFAULT NULL,

`opponent` varchar(3) DEFAULT NULL,

`win/lose` varchar(1) DEFAULT NULL,

`total` int(11) DEFAULT NULL,

`first` int(11) DEFAULT NULL,

`second` int(11) DEFAULT NULL,

`third` int(11) DEFAULT NULL,

`fourth` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. teaminfo数据表保存各球队的基本信息

CREATE TABLE IF NOT EXISTS `teaminfo` (

`name` varchar(255) DEFAULT NULL,

`abbr` varchar(255) DEFAULT NULL,

`city` varchar(255) DEFAULT NULL,

`east/west` varchar(255) DEFAULT NULL,

`partition` varchar(255) DEFAULT NULL,

`court` varchar(255) DEFAULT NULL,

`year` varchar(255) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. playerinfo数据表保存个球员的基本信息

CREATE TABLE IF NOT EXISTS `playerinfo` (

`name` varchar(255) DEFAULT NULL,

`number` varchar(255) DEFAULT NULL,

`position` varchar(255) DEFAULT NULL,

`height` varchar(255) DEFAULT NULL,

`weight` int(11) DEFAULT NULL,

`birth` varchar(255) DEFAULT NULL,

`age` int(11) DEFAULT NULL,

`exp` varchar(255) DEFAULT NULL,

`school` varchar(255) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. playerdata数据表保存一个赛季每场比赛每个球员的技术统计

CREATE TABLE IF NOT EXISTS `playerdata10-11` (

`date` varchar(255) NOT NULL DEFAULT '',

`team` varchar(255) NOT NULL DEFAULT '',

`playername` varchar(255) NOT NULL DEFAULT '',

`position` varchar(255) DEFAULT NULL,

`minutes` double DEFAULT NULL,

`fieldGoal` int(11) DEFAULT NULL,

`fieldGoalAttempts` int(11) DEFAULT NULL,

`threepointFieldGoal` int(11) DEFAULT NULL,

`threepointFieldGoalAttempts` int(11) DEFAULT NULL,

`freeThrow` int(11) DEFAULT NULL,

`freeThrowAttempts` int(11) DEFAULT NULL,

`offensiveRebound` int(11) DEFAULT NULL,

`defensiveRebound` int(11) DEFAULT NULL,

`backboard` int(11) DEFAULT NULL,

`assist` int(11) DEFAULT NULL,

`steal` int(11) DEFAULT NULL,

`block` int(11) DEFAULT NULL,

`turnOver` int(11) DEFAULT NULL,

`foul` int(11) DEFAULT NULL,

`scoring` int(11) DEFAULT NULL,

PRIMARY KEY (`date`,`team`,`playername`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. teamsum保存每个球队一个赛季球员技术统计的总和和对手的相关技术统计

CREATE TABLE IF NOT EXISTS `teamsum10-11` (

`opponentFieldGoal` int(11) DEFAULT NULL,

`opponentFieldGoalAttempts` int(11) DEFAULT NULL,

`opponentTurnOver` int(11) DEFAULT NULL,

`opponentFreeThrowAttempts` int(11) DEFAULT NULL,

`oppenentScoring` int(11) DEFAULT NULL,

`teamName` varchar(255) DEFAULT NULL,

`matches` int(11) DEFAULT NULL,

`wins` int(11) DEFAULT NULL,

`fieldGoal` int(11) DEFAULT NULL,

`fieldGoalAttempts` int(11) DEFAULT NULL,

`threePointFieldGoal` int(11) DEFAULT NULL,

`threePointFieldGoalAttempts` int(11) DEFAULT NULL,

`freeThrow` int(11) DEFAULT NULL,

`freeThrowAttempts` int(11) DEFAULT NULL,

`offensiveRebound` int(11) DEFAULT NULL,

`defensiveRebound` int(11) DEFAULT NULL,

`opponentOffensiveRebound` int(11) DEFAULT NULL,

`opponentDefensiveRebound` int(11) DEFAULT NULL,

`backboard` int(11) DEFAULT NULL,

`assist` int(11) DEFAULT NULL,

`steal` int(11) DEFAULT NULL,

`block` int(11) DEFAULT NULL,

`turnOver` int(11) DEFAULT NULL,

`foul` int(11) DEFAULT NULL,

`scoring` int(11) DEFAULT NULL,

`minutes` double DEFAULT NULL,

`opponentBackBoard` int(11) DEFAULT NULL,

`opponentThreePointFieldGoalAttempts` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. playersum保存一个赛季所有球员技术统计的总和以及所在球队和对手球队的相关统计

CREATE TABLE IF NOT EXISTS `playersum10-11` (

`playerName` varchar(255) NOT NULL DEFAULT '',

`team` varchar(255) NOT NULL DEFAULT '',

`appearance` int(11) DEFAULT NULL,

`firstPlay` int(11) DEFAULT NULL,

`backboard` int(11) DEFAULT NULL,

`assist` int(11) DEFAULT NULL,

`minutes` double DEFAULT NULL,

`fieldGoal` int(11) DEFAULT NULL,

`fieldGoalAttempts` int(11) DEFAULT NULL,

`threePointFieldGoal` int(11) DEFAULT NULL,

`threePointFieldGoalAttempts` int(11) DEFAULT NULL,

`freeThrow` int(11) DEFAULT NULL,

`freeThrowAttempts` int(11) DEFAULT NULL,

`offensiveRebound` int(11) DEFAULT NULL,

`defensiveRebound` int(11) DEFAULT NULL,

`steal` int(11) DEFAULT NULL,

`block` int(11) DEFAULT NULL,

`turnOver` int(11) DEFAULT NULL,

`foul` int(11) DEFAULT NULL,

`scoring` int(11) DEFAULT NULL,

`previousAverageScoring` int(11) DEFAULT NULL,

`nearlyFiveAverageScoring` int(11) DEFAULT NULL,

`previousAverageBackboard` int(11) DEFAULT NULL,

`nearlyFiveAverageBackboard` int(11) DEFAULT NULL,

`previousAverageAssist` int(11) DEFAULT NULL,

`nearlyFiveAverageAssist` int(11) DEFAULT NULL,

`doubleDouble` int(11) DEFAULT NULL,

PRIMARY KEY (`playerName`,`team`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;