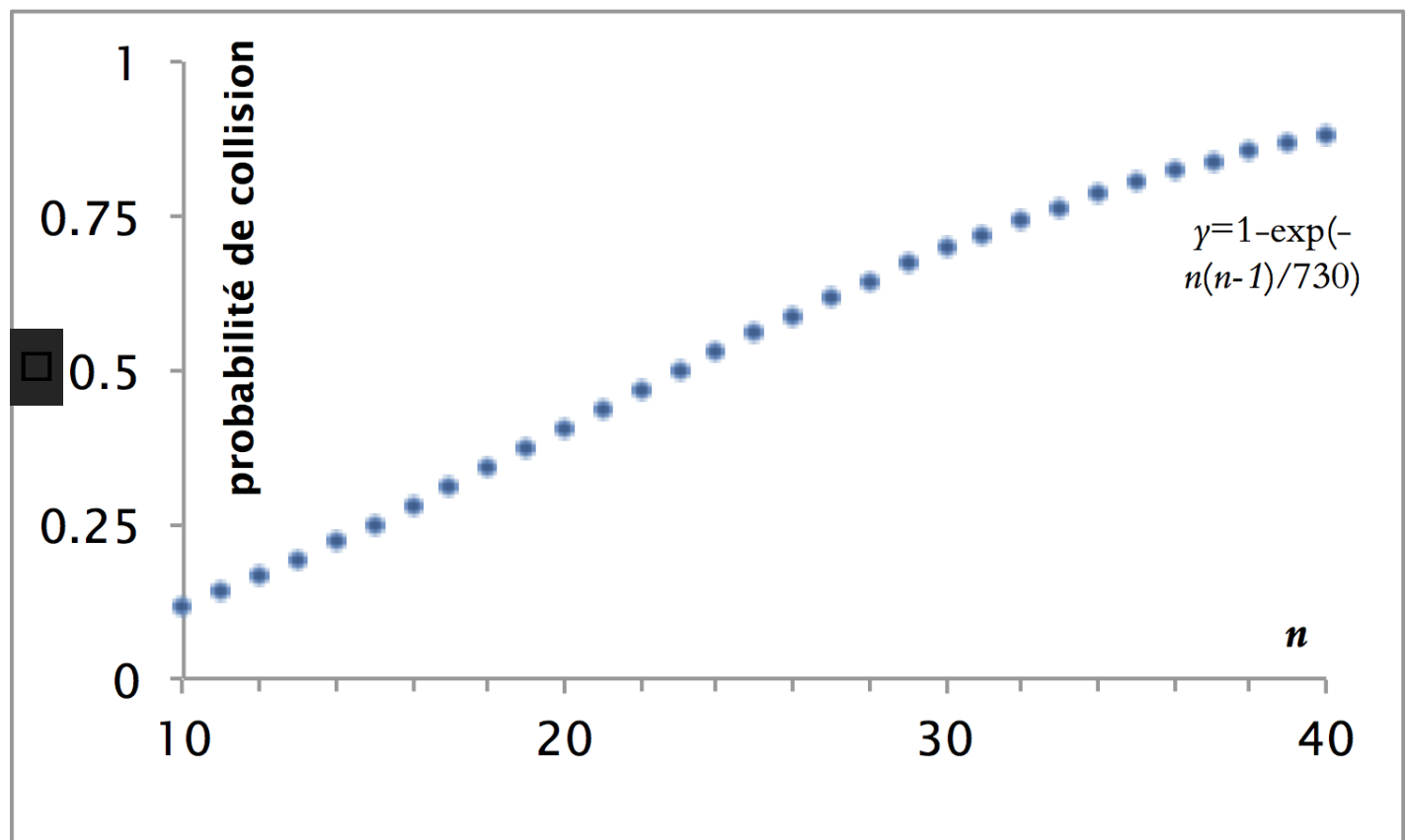


IFT2015 :: autumn 2017

Assignment 3: Collective study in the field

Astrological twins

The 'paradox' birthdays (https://fr.wikipedia.org/wiki/Paradoxe_des_anniversaires) is the consequence of the fact that there are two people who were born the same day and the same month in a group of n people with probability $p(n) \approx 1 - \exp(-n^2/730)$. According to the formula, it arrives with 25-75% probability that a group of 15-32 contains a pair with the same birthday.



This lab examines the theoretical prediction in real life. (We will combine the observations during this Friday.)

Work to do

1. Choose a team (10 points)

Select a competition team in a sports league. The date of birth of the players must be available on a website. The team and the sport are free choice. The team must include at least 15 players.

Hint: some leagues suggested if you have no other preference: [hockey \(NFL\)](http://nfl.com/) (<http://nfl.com/>), [Canadian football \(CFL\)](http://www.cfl.ca) (<http://www.cfl.ca>), [real football \(NWSL\)](http://www.nwslsoccer.com) (<http://www.nwslsoccer.com>), [cricket \(IPL\)](http://www.iplt20.com) (<http://www.iplt20.com>), [kabbadi](http://www.prokabaddi.com) (<http://www.prokabaddi.com>). For example, there are birthdays for National Hockey League (NHL) players under "Team Rosters".

2. Count the players (15 points)

Count the players on the team (= n).

3. Count the astrological twins (25 points)

Count the twins, triplets, quadruplets, ... astrological in the team: number of days of the year which is the birthday of exactly 2 players (= n_2),

and those for 3, 4, ... players if there are (= n3, n4, ...).

modalities


- Work alone.
- **Submit your observation in the form of a short comment to this** blog post (1 non-anonymous line):
n ; n2 (and n3 etc. if > 0); Team name; URL.
(This should lead to the page where you can check dates of birth.) Example of Canadians this year: There are 2 players (Morrow and Petry) who were born on the same day.

n = 25, n2 = 1, Montreal Canadiens (NHL); <https://www.nhl.com/canadiens/roster>


- Everyone must choose different teams - if your team is already submitting, you must choose another.
- It is necessary to choose an *active* team in 2017 (thus no famous team of the 1950s).
- This TP should not take more than O (1) minutes but do it carefully: the incorrect counting will be strictly penalized!

Deadline for submission: Friday, November 3, 08:29 (in the morning).


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October 31, 2017

☐ csurosm

☐ duty

53 thoughts on " Duty 3: Collective study in the field "

1. *Ulysse Desjardins* says:

October 31, 2017 at 4:46

n = 42 * (40); n2 = 1; New York Yankees (MLB); <http://m.mlb.com/nyy/roster/40-man/>
77 and # 26 are both born on September 6th

*: 2 players are active in 2017 but not in the official selection

Reply

2. *Mia Cherkaoui* says:

October 31, 2017 at 4:47

n = 25; n2 = 1; Florida Panthers (NHL); <https://www.nhl.com/panthers/roster>

Reply

3. *Juliette Guilbaud* says:

October 31, 2017 at 6:16

n = 26; n2 = 2; Vancouver Canucks (NHL); <https://www.nhl.com/canucks/roster>

Reply

4. *Simon Pilon Besozzi* says:

October 31, 2017 at 6:27

n = 58; n2 = 5; Denver Broncos (NFL); <http://www.nfl.com/teams/roster?team=DEN>

Reply

5. *Irvine Potok* says:

October 31, 2017 at 6:44

n = 25; n2 = 0; Angeles Kings (NHL); <https://www.nhl.com/kings/roster/>

Reply

6. *Simon Bréard* says:

October 31, 2017 at 8:00 am

n = 22; n2 = 2; Ottawa Senators (NHL); <https://www.nhl.com/senators/roster/>

Reply

7. *Jessica Gauvin* says:

October 31, 2017 at 8:22 am

n = 23; n2 = 2; Detroit Red Wings (NHL); <https://www.nhl.com/redwings/roster>

Reply

8. *Vincent Hénault* says:

October 31, 2017 at 11:17 am

n = 25; n2 = 0; Arizona Coyotes (NHL); <https://www.nhl.com/coyotes/roster>

Reply

9. *Palmang Kevin Kombate* says:

November 1, 2017 at 1:09 am

n = 16; n2 = 0; Toronto Raptors (NBA); <http://www.nba.com/teams/raptors>

Reply

10. *Abdramane Diasso* says:

November 1, 2017 at 1:41

n = 30, n2 = 1, Manchester United (EURO league); <http://www.francais.manutd.com/PlayersAndStaff/FirstTeam.aspx>

Reply

11. *Nathan Renaud* says:

November 1, 2017 to 10:06

n = 26; n2 = 1; Columbus Blue Jackets (NHL); <https://www.nhl.com/bluejackets/roster/>
Scott Harrington and Tyler Motte (March 10).

Reply

12. *Alexis* says:

November 1, 2017 to 10:42

n = 17; n2 = 0; cleveland calvaliers (NBA); <https://stats.nba.com/team/1610612739/>

Reply

13. *Alexis Gervais-Chapleau* says:

November 1, 2017 to 10:43

n = 17; n2 = 0; cleveland calvaliers (NBA); <https://stats.nba.com/team/1610612739/>

Reply

Gabriel To says:

November 1, 2017 to 10:46

n = 26, n2 = 1, New Jersey Devils (NHL); <https://www.nhl.com/devils/roster/>

Reply

15. *Edicson Garcia Luis* says:

November 1, 2017 at 12:15 pm

n = 25, n2 = 1, Australian Kangaroos (NRL); <http://www.rlwc2017.com/players?team=376>

Reply

16. *Kyle Goyette* says:

November 1, 2017 to 2:26

n = 26, n2 = 0, Chicago Blackhawks (NHL); <https://www.nhl.com/blackhawks/roster>

Reply

◦ *Kyle Goyette* says:

November 1, 2017 to 2:28

Oops, wrong format. Fixed below:

n=26;n2=0;Chicago Blackhawks(NHL);<https://www.nhl.com/blackhawks/roster>

Répondre

17. *Simon Pelletier* dit :

novembre 1, 2017 à 2:30

n=59;n2=4;New England Patriots (NFL); <http://www.nfl.com/teams/roster?team=ne>

Répondre

◦ *Simon Pelletier* dit :

novembre 2, 2017 à 7:59

update: Brian Hoyer fait parti de l'équipe depuis hier. Il n'a toutefois aucun jumeau astrologique chez les Patriots, donc
n=60;n2=4;New England Patriots (NFL); <http://www.nfl.com/teams/roster?team=ne>

Répondre

18. *Olivier Bélec* dit :

novembre 1, 2017 à 3:06

n=24; n2=1; Edmonton Oilers (NHL); <https://www.nhl.com/oilers/roster/2017>

Répondre

19. *Eduard Voiculescu* dit :

novembre 1, 2017 à 3:54

n=28; n2=1; Anaheim Ducks (NHL); <https://www.nhl.com/ducks/roster>

Répondre

20. *Zeinab Hujaij* dit :

novembre 1, 2017 à 4:52

n=25; n2=1; Winnipeg Jets (NHL); <https://www.nhl.com/jets/roster>

Répondre

◦ *Zeinab Hujaij* dit :

novembre 3, 2017 à 8:04

Un des joueurs de défense n'est plus dans l'équipe

n=24; n2=1; Winnipeg Jets (NHL); <https://www.nhl.com/jets/roster>

Répondre

21. *Sami Steenhaut* dit :

novembre 1, 2017 à 5:11

n=24; n2=2; Impact de Montreal (MLS) <https://www.impactmontreal.com/en/players>

Répondre

22. *Jérémy Camirand* dit :

novembre 1, 2017 à 5:51

n=25; n2=0; Golden State Warriors (NBA), <http://www.nba.com/warriors/roster/>

Répondre

◦ *Jérémy Camirand* dit :

novembre 2, 2017 à 2:29

pardon je voulais dire n=17

Répondre

23. *Assya Trofimov* dit :

novembre 1, 2017 à 6:15

n=24; n2=1; Calgary Flames (NHL); <https://www.nhl.com/flames/roster>

Répondre

24. *Meshleen Hannoun* dit :

novembre 1, 2017 à 7:41

n=22; n2=1; New York Rangers (LNH); <http://www.rds.ca/hockey/lnh/equipes/landingpage/Subject/new-york-rangers-.1796/onglet/formation>

Répondre

25. *Muana Kimba* dit :

novembre 1, 2017 à 10:16

n=16; n2=1; Houston Rockets (NBA); <https://stats.nba.com/team/1610612745/>

Répondre

26. *amir shayeghi* dit :

novembre 1, 2017 à 10:35

n=53; n2=4 ; South Korea national football team (대한민국 축구 국가대표팀);

https://en.wikipedia.org/wiki/South_Korea_national_football_team#Current_squad

Répondre

◦ *amir shayeghi* dit :

novembre 1, 2017 à 11:04

Modification : n2=3 ,n3=1

Répondre

27. *nassim messad* dit :

novembre 1, 2017 à 11:45

n=27; n3=1; AS Saint Etienne(LFP); http://www.lfp.fr/club/as-saint-etienne#bloc_effectif

Répondre

28. *Michael Leblanc* dit :

novembre 2, 2017 à 1:05

n=25;n2=1;Penguins de Pittsburgh(NHL);<https://www.nhl.com/penguins/roster>

Répondre

29. *Nicolas Payre* dit :

novembre 2, 2017 à 11:05

n=23; n2=0; Nîmes Olympique; https://fr.wikipedia.org/wiki/Saison_2016-2017_du_N%C3%A9mes_Olympique#Effectif_professionnel

Répondre

30. *Felix Adam* dit :

novembre 2, 2017 à 11:52

n=27; n2=1; Las Vegas Golden Knights; <https://www.nhl.com/goldenknights/roster>

Répondre31. *Jean-François Tessier* dit :novembre 2, 2017 à 12:32n = 24; n₂ = 2; n_i = 0 $\forall i \in \mathbb{N} : i > 2$; Royal Challengers Bangalore (IPL); <http://www.iplt20.com/teams/royal-challengers-bangalore/squad>Répondre32. *Bilal Daher* dit :novembre 2, 2017 à 1:05n=24; n₂=0; Real Madrid (LFP) ; <http://www.realmadrid.com/en/football/squad>Répondre33. *Hugo Renard-Bouchard* dit :novembre 2, 2017 à 2:48n=25; n₂=0 ;Tampa Bay Lightning (LNH) ; http://www.espn.com/nhl/team/roster/_/name/tb/tampa-bay-lightningRépondre34. *David Alfonso* dit :novembre 2, 2017 à 3:02n=24; n₂=1; FC Barcelona ; <https://www.fcbarcelona.es/futbol/primer-equipo/plantilla/jugadores>Répondre35. *Julien Gelineau Poirier* dit :novembre 2, 2017 à 4:00n=35; n₂=2; Houston Astros (MLB); <http://m.astros.mlb.com/roster>Répondre36. *Lifeng Wan* dit :novembre 2, 2017 à 5:40n=27; n₂=0; Boston Bruins (NHL); <https://www.nhl.com/b Bruins/roster>Répondre37. *Alexis Dufour-Grégoire* dit :novembre 2, 2017 à 6:38n=25; n=0; Washington Spirit(NWSL); <http://www.nwslsoccer.com/teams/f1ks82wpiewyqs6h3oz9v4hzi>Répondre38. *Bowen Peng* dit :novembre 2, 2017 à 6:50n=17; n₂=0; Philadelphia 72ers (NBA); <http://www.nba.com/teams/sixers>Répondre*Bowen Peng* dit :novembre 2, 2017 à 6:50

[01/04/1993,
 03/16/1994,
 03/25/1992,
 04/08/1994,
 05/01/1987,
 05/09/1995,
 05/29/1998,
 06/24/1984,
 07/20/1996,
 07/24/1997,
 08/20/1988,
 10/07/1993,
 10/15/1993,
 11/10/1989,
 11/19/1993,
 12/14/1990,
 12/15/1995]

Répondre39. *Vithuya Shanmugalingam* dit :novembre 2, 2017 à 7:49n=21; n₂=3; Germany national football team; <http://www.fifa.com/u17worldcup/teams/team=1882404/players.html>Répondre40. *Walid Drihem* dit :novembre 2, 2017 à 9:44n=31 ; n₂=2 ; paris saint-germain (LFP) ; <https://www.psg.fr/pro/equipe/effectif-staff>Répondre41. *Stéphanie Guay-Vachon* dit :novembre 2, 2017 à 9:57n = 24; n₂=0; San Jose Sharks (NHL); http://www.espn.com/nhl/team/roster/_/name/sj/san-jose-sharksRépondre

42. Jean-Francis Carignan dit :

novembre 2, 2017 à 10:59

n= 24;n2=1;Laval Rocket (AHL);<https://www.theahl.com/stats/roster/415/57>

Répondre

43. Julien Levesque dit :

novembre 2, 2017 à 11:50

n=23;n2=0;Toronto Maple Leafs (NHL);<https://www.nhl.com/mapleleafs/roster/>

Répondre

44. Mai Khoun dit :

novembre 3, 2017 à 12:19

Pour l'équipe que j'avais choisie, il manque la date de naissance de 1 joueuse, mais il y a quand même une paire de jumeaux astrologiques. 😊

n=19; n2=1; Canada Women's National Soccer Team; https://en.wikipedia.org/wiki/Canada_women's_national_soccer_team

Jan 22-25

Feb 19-19

Mar 3-11-31

Apr

May 8-11

Jun 12

Jul 16-31

Aug 11-20-24-29

Sep

Oct 2-10

Nov

Dec

Sinon, cette équipe a aussi une paire de jumeaux astrologiques.

n=25; n2=1; North Carolina Courage; <http://www.nwslsoccer.com/teams/b4fbmos00gxtk8qnaqsm392p5>

Jan 5

Feb 1-4-25-26-28

Mar 16-16-26

Apr 13-17

May 11-13-17-21-25-28

Jun

Jul 7

Aug 29

Sep 13

Oct 9-20

Nov 20

Dec 1-13

Répondre

45. Léo Jetzer dit :

novembre 3, 2017 à 7:23

n = 24; n2 = 0; Carolina Hurricanes (NHL); <https://www.nhl.com/hurricanes/roster>

Répondre

46. Karl Koloda dit :

novembre 6, 2017 à 12:13

Désolé, je n'ai pas vu ce post, donc je remets mont travail en retard. Étant donné la simplicité du devoir, je ne pense pas que c'est si grave!

n=23; n2=2; Dallas Stars (NHL); <https://www.hockey-reference.com/teams/DAL/2018.html>

Répondre

47. Camil Hishmih dit :

novembre 6, 2017 à 3:27

Désolé, moi non plus j'ai pas vu le post à temps pour la remise, mais voici ma réponse:

n=22; n2=0; Houston Dash (NWSL); <http://www.nwslsoccer.com/players?team=c3v2ohfuzoqmc8ljm65hi80sj>

Répondre

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