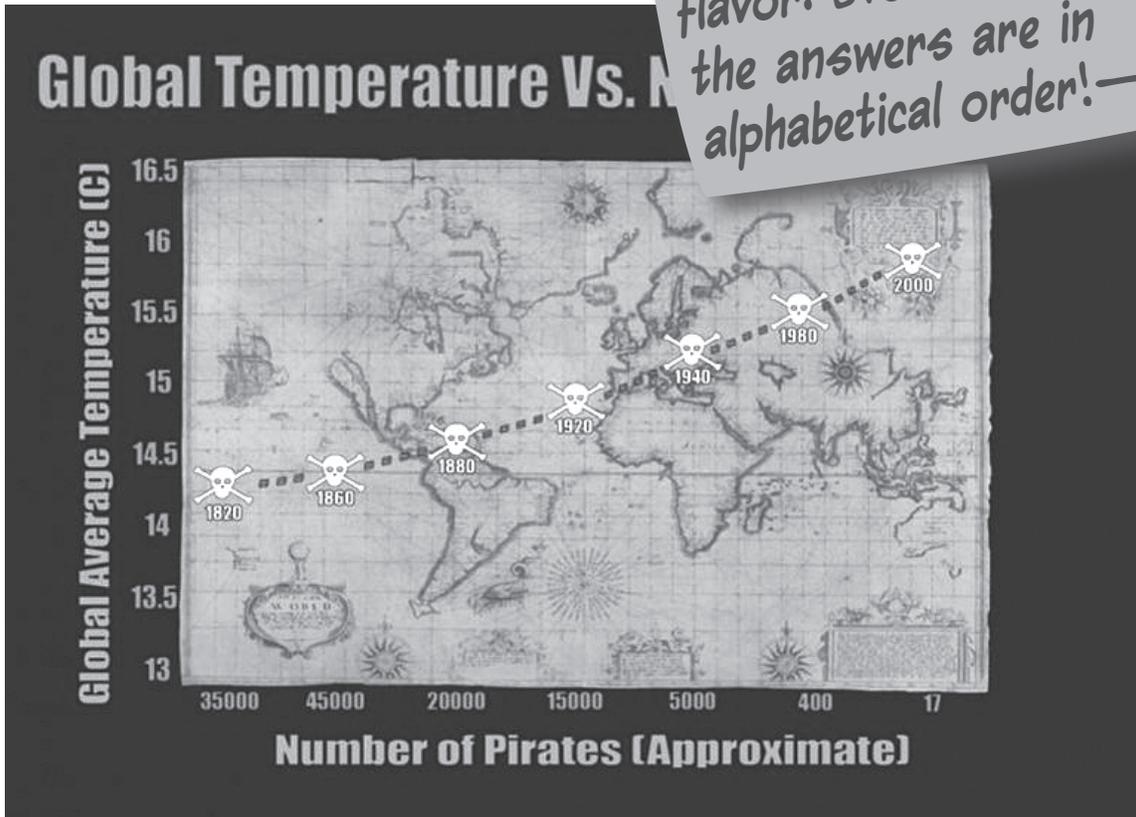# Arrr-Squared

*As you may know, pirates are statistically correlated with global warming. See the graph below, which has shown up in places as varied as Forbes.com and the Church of the Flying Spaghetti Monster (feel free to look it up, but it won't give you any puzzle relevant information). We found some other piratical correlations, but we think they may be spurious. **Maybe you can find better pairings (which may have nothing to do with whether they are presented as solid or dotted lines) as well as their point of intersection, year by year, to get an answer.***

Note: The bold italic part of each variable can be solved as a cryptic clue (*see handout*). Unlike most cryptic clues, these only have wordplay. The straight definition for each clue is "name." You may find that these names have something in common.

Need help with the clues? The numbers in black circles refer to specific clue types listed on the Cryptic Clues Primer reference sheet you received.

*Much better—now those dumb pirate clues those Az-holes wrote match our theme and **all of the original clue text is just flavor.** Even better, **all of the answers are in alphabetical order!**—P*

Global Temperature Vs. N...

Global Average Temperature [C]: 16.5, 16, 15.5, 15, 14.5, 14, 13.5, 13

1820, 1860, 1880, 1920, 1940, 1980, 2000

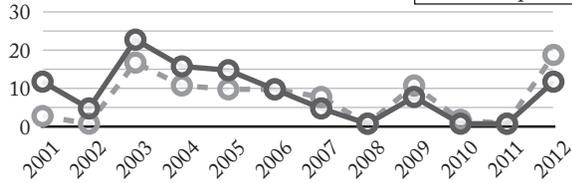Number of Pirates (Approximate): 35000, 45000, 20000, 15000, 5000, 400, 17

From *https://www.sisense.com/blog/global-warming-caused-lack-pirates-bad-graph-lessons/.* For illustration purposes only.

New exegeses in which Abel's brother holds relevant knowledge (7)

See Examples: ❹

vs.
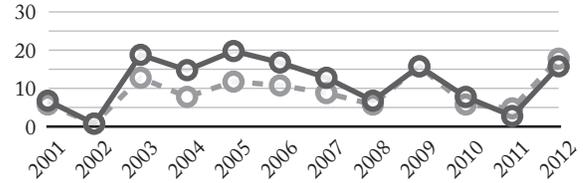
Decrease in auditors' unit of stock (4)

See Examples: ❸

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	12	5	23	16	15	10	5	1	8	1	1	12
····	3	1	17	11	10	10	8	1	11	2	1	19

Movies in which Nic Cage walks down Avenue A (4)

See Examples: ❷❿

vs.

Tickets sold to Parliament's Large Funk Mash-up (9)

See Examples: ❶

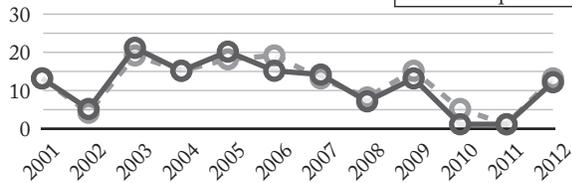|	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	7	1	19	15	20	17	13	7	16	8	3	16
····	6	1	13	8	12	11	9	6	16	6	5	18

Sales of good shelled hazelnuts (7)

See Examples: ❷❼❿

vs.

Weeks in Phoenix where it is hot all day (4)

See Examples: ❷❿
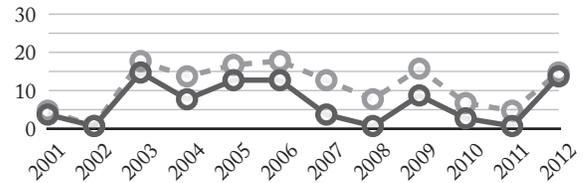
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	13	5	21	15	20	15	14	7	13	1	1	12
····	13	4	19	15	18	19	13	8	15	5	1	13

SCA conventions where wenches hem raiments loosely (11)

See Examples: ❶

vs.

IMDB rating of the most popular movie about an OS with a bit of humor (4)

See Examples: ❷❿

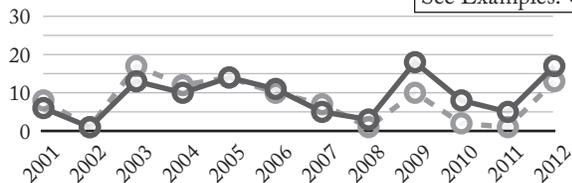|	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	4	1	15	8	13	13	4	1	9	3	1	14
····	5	1	18	14	17	18	13	8	16	7	5	15

Top ten albums that contain a religious song for the listener (3)

See Examples: ❸

vs.
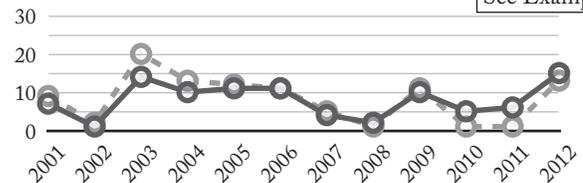
Increase in furniture store contracts (3)

See Examples: ❼

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	6	1	13	10	14	11	5	3	18	8	5	17
····	8	1	17	12	14	10	7	1	10	2	1	13

Sales of cereal with a bit of echinacea (5)

See Examples: ❹

vs.

Miles that the Eastern Gap is receding (4)

See Examples: ❷❻❿

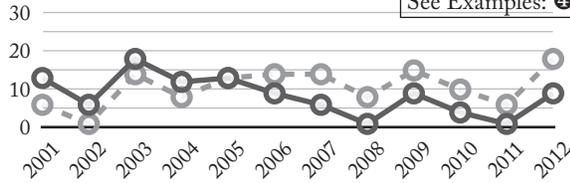|	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	7	1	14	10	11	11	4	2	10	5	6	15
····	9	2	20	13	12	11	5	1	11	1	1	13

Number of times the school jock is sore after gym class (7)   See Examples: ❷❿

vs.

Number of sports in which a father holds a relatively short record (4)   See Examples: ❹❿

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	13	6	18	12	13	9	6	1	9	4	1	9
····	6	1	14	8	13	14	14	8	15	10	6	18

Obscurity of the place 80s pop icon Adam performs most often (5)   See Examples: ❷❿

vs.

MLB players who hit more than Maris and Clemens, reportedly (7)   See Examples: ❸
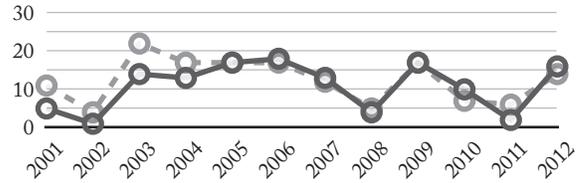
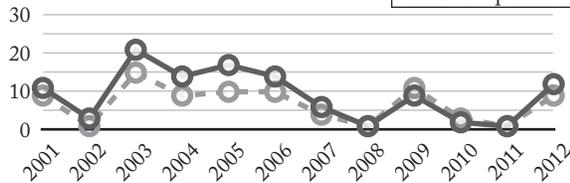|	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	5	1	14	13	17	18	13	4	17	10	2	16
···	11	4	22	17	17	17	12	5	17	7	6	14

Radio announcers going from nasal twang to vocal fry (4)   See Examples: ❺

vs.

Sales of meats in a extract of balsamic (3)   See Examples: ❺

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	11	3	21	14	17	14	6	1	9	2	1	12
···	9	1	15	9	10	10	4	1	11	3	1	9

Heads of State helping Europe develop new currency (3)   See Examples: ❾

vs.

Percentage of the GDP that is held back by economists (5)   See Examples: ❺❻
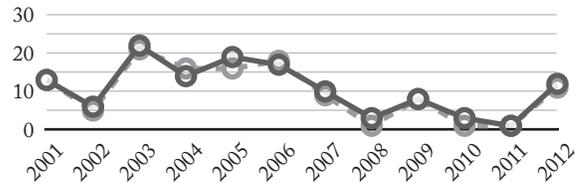
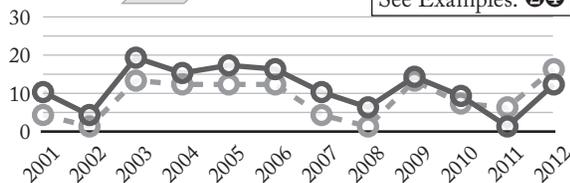|	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	13	6	22	14	19	17	10	3	8	3	1	12
···	13	5	21	16	16	18	9	1	8	1	1	11

Dishes offered at P.F Chang's featuring hearts of fennel covered in soy sauce (5)   See Examples: ❹❾

vs.

Hits on a video where millennials cram 50-51 into a Trailblazer or Explorer at one time (8)   See Examples: ❷❹

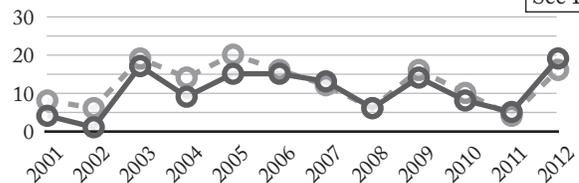|	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	10	4	19	15	17	16	10	6	14	9	1	12
···	4	1	13	12	12	12	4	1	13	7	6	16

Ticket sales for a movie featuring Bo Derek near a river with a bit of lingerie (8)   See Examples: ❷❹

vs.

Birthrate of British royals who ain't crazy (4)   See Examples: ❶

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
—	4	1	17	9	15	15	13	6	14	8	5	19
···	8	6	19	14	20	16	12	6	16	10	4	16

AW, SHIPS!

We've been gathering information about a small pirate fleet guarding a very impressive collection of treasures. We've stolen a grid of letters and numbers (below), as well as two cards (~~attached~~), that supposedly tell us how they deploy their fleet. Here's what we know:

1. They have ten ships in four different sizes, as depicted below.

2. Each card encodes a different deployment of this fleet to the same area, by somehow telling us how many ship segments are in each row and column.

3. Each ship has one or more pennants that it flies no matter where it's deployed. These pennants are shown on the ships below.

4. Within one deployment, no two ships will ever be adjacent to each other, even diagonally.

If you can figure out these two fleet deployments, we may be able to find their hidden treasures by seeing which sites they make sure are guarded.

We built some amazing cards for this puzzle, but Phlogiston destroyed them and stole our blueprint! We have no idea where it ended up, but if you find it there should be a clear way to reconstruct the cards!—A

The Fleet

C   E   H   U   1   E D   P

A L   S R   R Y

The Grid
(duplicated for ease of solving)

```
T 3 A L K P 2 L B M
1 R S 4 2 0 N E N 2
I Y S 2 1 0 0 2 3 1
T P 2 C 4 1 1 3 Y R
A 2 3 1 I S G D U 2
L F 1 0 N L A 4 1 N
1 B C 2 R Y L 5 2 1
N I 1 3 S 2 2 H N H
E T 1 I U L 3 R G S
I 4 4 0 3 L 1 S Y R
```

```
T 3 A L K P 2 L B M
1 R S 4 2 0 N E N 2
I Y S 2 1 0 0 2 3 1
T P 2 C 4 1 1 3 Y R
A 2 3 1 I S G D U 2
L F 1 0 N L A 4 1 N
1 B C 2 R Y L 5 2 1
N I 1 3 S 2 2 H N H
E T 1 I U L 3 R G S
I 4 4 0 3 L 1 S Y R
```

Smugglers' Cove

*Arr, mateys! Welcome to Smugglers' Cove, a haven for th[e]
lowest, scurviest rats ever seen scurryin' aboar[d]*

Oops. Sorry, we didn't realize our piping would attract your little friends.—P

(This page has been eaten by rats.)

(But we'll tell you the answer is NARCS.)