## 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 wont 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 ort

Much better - now those dumb pirate clues those Az-holes wrote match our theme and all of the just BS original clue text is just



Number of Pirates [Approximate]

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 $(7)$ \}
vs.
" |".|" Decrease in auditors' unit of stock (4)



## Sales of good shelled hazelnuts (7)

vs.



Movies in which Nic Cage walks down Avenue
——A $(4)\}$
vs.
Tickets sold to Parliament's Large Funk

| Mash-up (9) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 7 | 1 | 19 | 15 | 20 | 17 | 13 | 7 | 16 | 8 | 3 |  |
| -"' | 6 | 1 | 13 | 8 | 12 | 11 | 9 | 6 | 16 | 6 | 5 | 8 |

$$
\begin{aligned}
& \text { SCA conventions where wenches hem } \\
& \text { - raiments loosely (11) } \\
& \text { vs. } \\
& \text { IMDB rating of the most popular } \text { movie about } \\
& \text { " "-" " }=\text { an OS with a bit }\} \text { of humor }(4)
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{r|r|r|r|r|r|r|r|r|r|r|r|r|}
- & 4 & 1 & 15 & 8 & 13 & 13 & 4 & 1 & 9 & 3 & 1 & 14 \\
=- & 5 & 1 & 18 & 14 & 17 & 18 & 13 & 8 & 16 & 7 & 5 & 15 \\
\hline
\end{array}
\end{aligned}
$$

Top ten albums that contain religious song

## —nor the listener (3)

vs.
" ". ". " Increase in \{furniture store contracts (3)

—. Sales of \{cereal with a bit of echinacea (5) vs.
".|". - $=$ Miles that the Eastern Gap is receding (4)


Number of times the school jock is sore after gym class (7)
vs.
Number of sports in which a father holds a $\}$


Radio announcers going from nasal twang
to vocal fry
vs.
|n-w Sales of meats in a extract of balsamic (3)


Dishes offered at P.F Chang's featuring hearts
\}of fennel covered in soy sauce (5) \} vs.
Hits on a video where millennials cram $50-51$
-"-=- Into a Trailblazer or Explorer at one time (8)
30


| 10 | 4 | 19 | 15 | 17 | 16 | 10 | 6 | 14 | 9 | 1 | 12 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| -12 | 4 | 1 | 13 | 12 | 12 | 12 | 4 | 1 | 13 | 7 | 6 |

Obscurity of the splace 8Os pop icon Adam
performs most often (5)
vs.
MLB players who hit more than Maris and
-

| 30 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 5 | 1 | 14 | 13 | 17 | 18 | 13 | 4 | 17 | 10 | 2 | 16 |
| - ' | 11 | 4 | 22 | 17 | 17 | 17 | 12 | 5 | 17 | 7 | 6 | 14 |

## Heads of State helping Europe

develop new currency
(3)
vs.
Percentage of the GDP that is held back by

-     -         -             -                 - 


Ticket sales for movie featuring Bo Derek
near a river with a bit of lingerie (8) vs.
-|=-|=- Birthrate of British royals who sain't crazy (4)



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 somehow encodes a different deployment of this fleet to the same area.
3. Each ship has a pennant 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.
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.

## The Fleet

## © (B) © (1) © © 4 - RD ®

The Grid
(duplicated for ease of solving)

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

| T | 3 | A | L | K | P | 2 | L | B | M |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | R | S | 4 | 2 | O | 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 | O | 3 | L | 1 | S | Y | R |


| T | 3 | A | L | K | P | 2 | L | B | M |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | R | S | 4 | 2 | O | 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 | O | 3 | L | 1 | S | Y | R |

