Data Analysis

Minimum correlation = 1

90 journal entries and 26 events
carrot: Correlation : 0.0141 Count of entry : 16
exercise: Correlation : 0.0686 Count of entry : 10
weekend: Correlation : 0.1372 Count of entry : 30
bread: Correlation : -0.0758 Count of entry : 8
pudding: Correlation : -0.0648 Count of entry : 6
brushed teeth: Correlation : -0.3805 Count of entry : 64
touched tree: Correlation : -0.0808 Count of entry : 9
nachos: Correlation : -0.0704 Count of entry : 7
cycling: Correlation : -0.0808 Count of entry : 9
brussel sprouts: Correlation : -0.0523 Count of entry : 4
ice cream: Correlation : -0.0808 Count of entry : 9
computer: Correlation : 0.0686 Count of entry : 10
potatoes: Correlation : -0.0857 Count of entry : 10
candy: Correlation : 0.1296 Count of entry : 6
dentist: Correlation : -0.0366 Count of entry : 2
running: Correlation : -0.0905 Count of entry : 11
pizza: Correlation : 0.0686 Count of entry : 10
work: Correlation : -0.1372 Count of entry : 60
beer: Correlation : -0.0523 Count of entry : 4
cauliflower: Correlation : -0.0808 Count of entry : 9
lasagna: Correlation : 0.0808 Count of entry : 9
lettuce: Correlation : -0.0704 Count of entry : 7
television: Correlation : -0.0808 Count of entry : 9
spaghetti: Correlation : 0.2425 Count of entry : 9
reading: Correlation : 0.1107 Count of entry : 7
peanuts: Correlation : 0.5903 Count of entry : 13

Sample code

```
function analyze(min=0) {
  return [...EVENTS]
```

Elements Console Sources Recorder

top Filter

```
> myrange
ƒ myrange(start, end, step = 1) {
    let array = []
    if (step == 0) return 0

    let max = Math.max(start, end)
    let min = Math.min(start, end)

    if (step > 0) {
      for (let i = min; i <= max; i += s…
> myrange(20,5,-2)
▸ (8) [20, 18, 16, 14, 12, 10, 8, 6]
> mysum
ƒ mysum(arr) {
    let counter = 0;
    for (let i = 0; i < arr.length; i++) {
      if (Number.isInteger(arr[i])) {
        counter += arr[i];
      } else {
        return "summation is not possible";
      }
    }
…
> mysum([4,5,4,5,2,5,2,6,3,7,3,7])
< 53
> console.log(JOURNAL.map(Math.sqrt))

  (90) [1.7320508075688772, 2.236067977499
  979, 1.7320508075688772, 2, 2, 1.7320508
  8075688772, 2, 2, 2.23606797749979, 1.73
  2.23606797749979, 1.7320508075688772, 1.
  772, 2, 1.7320508075688772, 1.7320508075
  075688772, 1.7320508075688772, 2, 2.2360
  75688772, 2.23606797749979, 2, 1.7320508
  2, 2, 2, 1.7320508075688772, 2, 2, 2, 2.23606797749979, 2, 1.7320508075688772, 2, 2]
< undefined
```

```
> function myFunction(arr) {
    console.log(arr.evt)
  }
< undefined
> JOURNAL.forEach(myFunction)
90 undefined
< undefined
> JOURNAL.filter(myFunction)
90 undefined
< ▸ []
>
```

```
function analyze(min = 0) {
  let n;
  let a = [];
  for (let e of EVENTS) {
    let cor = phi(tableFor(e));
    //if (Math.abs(cor) > min) {
      n = 0;
      for (let entry of JOURNAL) {
        if (entry.events.includes(e)) {
          n+=1;
        }
      }
      a.push(e + ":      " +"      Correlation :  "
      +  cor.toFixed(4) +
      "       Count of entry : " + n);
    //}
  }
  return a
}
```