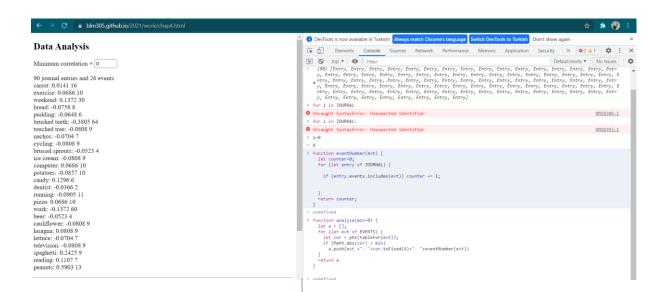
Question 1=

```
> sum
 \begin{tabular}{ll} & f & sum(array)\{let & sum=0; i=0; for(i=0; i < array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array)\{let & sum=0; i=0; for(i=0; i < array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array)\{let & sum=0; i=0; for(i=0; i < array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array)\{let & sum=0; i=0; for(i=0; i < array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array)\{let & sum=0; i=0; for(i=0; i < array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array)\{let & sum=0; i=0; for(i=0; i < array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ & f & sum(array.length; i++) \{ & sum+=array[i]; \} & return & sum \} \\ &
 > range
  f range(start, stop, step) {
    if (typeof stop == 'undefined') {
                                                              // one param defined
                                                            stop = start;
start = 0;
                                      if (typeof step == 'undefined') {
    step = 1;
  > console.log(range(1, 10));
                 ▶ (10) [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VM2979:1
   undefined
   > console.log(range(5, 2, -1));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VM3029:1
                 ▶ (4) [5, 4, 3, 2]
   undefined
  > console.log(sum(range(1, 10)));
              55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VM3076:1
  undefined
  >
```



QUESTION 2 More Detail

Data Analysis

Minimum correlation = 0

90 journal entries and 26 events

carrot: 0.0141 16 exercise: 0.0686 10 weekend: 0.1372 30 bread: -0.0758 8 pudding: -0.0648 6

brushed teeth: -0.3805 64 touched tree: -0.0808 9

nachos: -0.0704 7 cycling: -0.0808 9

brussel sprouts: -0.0523 4

ice cream: -0.0808 9 computer: 0.0686 10 potatoes: -0.0857 10 candy: 0.1296 6 dentist: -0.0366 2 running: -0.0905 11 pizza: 0.0686 10

work: -0.1372 60 beer: -0.0523 4

cauliflower: -0.0808 9 lasagna: 0.0808 9 lettuce: -0.0704 7 television: -0.0808 9 spaghetti: 0.2425 9

reading: 0.1107 7 peanuts: 0.5903 13

```
function eventNumber(evt) { // Number of event
 let counter=0;
 for (let entry of JOURNAL) {
  if (entry.events.includes(evt)) counter += 1;
 }
 return counter;
Undefined function analyze(min=0) {
 let a = [];
 for (let evt of EVENTS) {
  let cor = phi(tableFor(evt));
  if (Math.abs(cor) > min)
   a.push(evt +": "+cor.toFixed(4)+" "+eventNumber(evt))
 }
 return a
}
```