US National Debt [~] Mathematics, Programming + Economics

Introduction

I still remember my [social studies class] with [Mr. Van Gelder] at [Gowana Junior High] in like (1998), talking about going to the [restaurant] on the top of the [twin towers], and how the [building] swayed back and forth in the wind and stuff.

It was a long fuckin' time ago, but I still remember this dude's story.

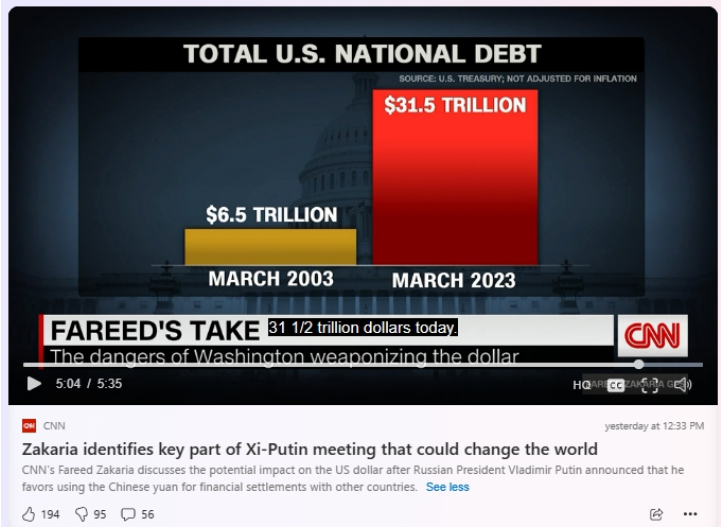
I think he's the principal at [Gowana] now.
He also whipped out the book of facts, and said that if the national debt in (1998) was split between every man, woman, and child in the [United States]...

...each of them would have about [$20,000] worth of debt to pay.

Back in (1998), [$20K] was considered a lot of money.
Basically, an unrealistic number even back then.

But NOW...?
Well, holy fucking shit balls rolled in fucking hay.

Fareed Zakaria's Outlook of Doom



[Fareed Zakaria] "*outlook of doom*" regarding how [China] and [Russia] have [joined forces] and [seek to uproot the US dollar]

https://youtu.be/aeio9be2pw8

Allow me to do something really cool, super quick...
It's called "*doing mathematics with programming*".

Class [DebtRatio]

```
Class DebtRatio
{
    [UInt32]       $Year
```

```
        [UInt64] $Population
        [Float]        $Debt
        [String]        $DPP
        DebtRatio([UInt32]$Year,[UInt64]$Population,[Float]$Debt)
        {
            $This.Year       = $Year
            $This.Population = $Population
            $This.Debt       = $Debt
            $This.DPP        = ($This.Debt*1000000000000)/$This.Population
        }
    }
```

This is a standard-issue class type in [PowerShell] code, that is meant to contain information about the 1) year, 2) population, 3) debt, and 4) debt-per-person.

Class [DebtRatio]

Class [DebtRatioList]

```
    Class DebtRatioList
    {
        [String] $Name
        [Object] $Output
        DebtRatioList([String]$Country)
        {
            $This.Name = $Country
            $This.Output = @( )
        }
        [Object] DebtRatio([UInt32]$Year,[UInt64]$Population,[Float]$Debt)
        {
            Return [DebtRatio]::New($Year,$Population,$Debt)
        }
        Add([UInt32]$Year,[UInt64]$Population,[Float]$Debt)
        {
            $This.Output += $This.DebtRatio($Year,$Population,$Debt)
        }
        Clear()
        {
            $This.Output = @( )
        }
    }
```

This is a classic case of another standard-issue class type in [PowerShell] code.

It is meant to contain an [Array[]] of the classes in the previous picture, in order to build a [table] or [spreadsheet] of [information].

Class [DebtRatioList]

Script + Spreadsheet

```
    $US = [DebtRatioList]::New("United States")
    $US.Add(1998,275835018,5.478)
    $US.Add(2003,291109820,6.783)
    $US.Add(2023,333287557,31.41)
```

Here's just a [really cool way] to [do mathematics], and get some [real fabulous work done], [lickety split].

You just enter in the [name] of the [country], tie it to a variable named [$US], and then add individual [year], [population], and [floating point numbers] that account for [trillions of dollars of debt] that the [named country] just so happened to have, in [that particular year].

```
```

```
PS Prompt:\> $US = [DebtRatioList]::New("United States")
$US.Add(1998,275835018,5.478)
$US.Add(2003,291109820,6.783)
$US.Add(2023,333287557,31.41)
$US.Output

Year Population  Debt DPP
---- ----------  ---- ---
1998  275835018 5.478 19859.69803164
2003  291109820 6.783 23300.4849935004
2023  333287557 31.41 94242.9418311951

PS Prompt:\>
```

Your standard-issue [table] or [spreadsheet] of [information] that shows the [things listed up above], and [each column] of [information] is [very reliably named] with the [corresponding property].

You get a 1) [year], 2) [population], 3) [debt in trillions of dollars], and 4) [total dollars] that [each individual] is [expected] to [pay back] to [somebody, somewhere]... at [some point in time].

Looks [pretty fuckin' stupid], doesn't it...?
Might even appear to be a fucking [joke].
But- nope. That shit is [100% accurate].

It's like, [every single person] is [expected] to [pay] nearly [$100K] back to [somebody], [somewhere], in their [lifetime].

Because, if they [don't]...?
Then the [bill] is [handed off] to the [next generation] of [people].

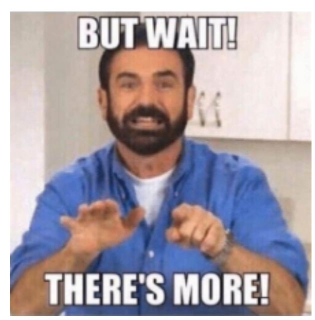
At [some point], the number will be [SO FUCKING HIGH], that [America] will [collapse].

Do you wanna know [who] doesn't really [give a shit] about that...?
People that continue to [ignore] all of this information, AND, a lot of the shit I say on a constant basis.

Why...?
Because, some people are perfectly content with handing their children a [staggering amount of debt].

```
                                                                                                      ______________________/
\____________________________________________________________________________________________/ Script + Spreadsheet
  But wait- there's more~! /¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯\
/¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯
```

Yeah.
Sorry for whippin' out the [Billy Mays] meme...



[But wait- there's more~!]
...but there is [plenty more bad news] to [share].

Out of the population, there's only a [certain percentage of people] that are [able to go to work] and [pay their bills] and stuff, so really, you're talking about maybe [25-40% of the population].

Let's just call it [a real COOL 30%].

[That] causes the number to be even MORE fucked up...

```
                                                                                                  __________________________/
\_________________________________________________________________________________________/ But wait- there's more~!
  Class [DebtRatioExtension] /¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯\
/¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯
```

```
Class DebtRatioExtension
{
    [UInt32]       $Year
    [UInt64] $Population
    [UInt64]  $Workforce
    [Float]        $Debt
    [String]        $DPP
```

```
    DebtRatioExtension([Object]$Debt)
    {
        $This.Year       = $Debt.Year
        $This.Population = $Debt.Population
        $This.Workforce  = [Math]::Round($Debt.Population * 0.30)
        $This.Debt       = $Debt.Debt
        $This.DPP        = ($This.Debt*1000000000000)/$This.Workforce
    }
}
```

An [extension] of the [initial class].

This allows the [information] to be [updated] with [newer information] in [reference] to
the [amount] of [debt] that [each person] in the [workforce] is [expected] to [pay off].

```
                                                                                            ____________________________/
\__________________________________________________________________________________________/ Class [DebtRatioExtension]
  Output /¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯\
/¯¯¯¯¯¯¯¯
```

```
PS Prompt:\> $US.Output | % { [DebtRatioExtension]$_ } | Format-Table

Year Population Workforce  Debt DPP
---- ---------- ---------  ---- ---
1998  275835018  82750505 5.478 66198.9937587932
2003  291109820  87332946 6.783 77668.283311668
2023  333287557  99986267 31.41 314143.139751503

PS Prompt:\>
```

And there you have it.

It looks like it was about [$70,000] in (1998).
It was about [$80,000] in (2003)...
And, in the current year, the number is a staggering [$315,000].
I'm [rounding up], by the way, because [they know how to do that too].

That's a look at how much [each person] in the [workforce] has to [pay back] at [some point],
in order for [America] to [break even], and be freed of the [chains of humanity].

It's fuckin' [stupid], right...?
It is.

```
                                                                                                                ________/
\______________________________________________________________________________________________________________/ Output
  Economists /¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯\
/¯¯¯¯¯¯¯¯¯¯¯¯
```

And whenever people [watch] the [news], they'll get some [economists] that all try to say stuff like:

[Economists]: Don't worry about it, [everything] will be [all fine].
Just [keep going to work]...?

Don't worry about your [employer] going [bankrupt] or being subjected to [cyberattacks]...?
Keep [buying gasoline].

Don't worry about [global warming]...?
There's no way that these [tornadoes] in [Mississippi] were even [remotely] caused by
[internal combustion engines], guys.
Not at all.

Pay off your [mortgage]...?
Even if your [house] was [destroyed] by those [tornadoes] or the [hurricanes] recently,
because that's just an [excuse].

Pay off your [car loans]...?
Even if your [car] was [thrown] (*hundreds/thousands*) of feet by those [tornadoes],
or [swept downstream] by the [sudden rush of water]...?
Again, that's just an [excuse]...

Make certain to [pay] your [student loans]...?
Even if you cannot actually get a [job] doing what you [studied] for very hard, to do.
Gotta [pay] those [loans]...
Not getting a [job] in your [field of study] is again, an additional [excuse].

Because if [you] don't [pay all of this stuff off]...?
Who the hell is gonna [pay] off this [staggering amount of debt] our [country] is [in]...?
Nobody.

Then, we're really [screwed].
[Pay] your [fucking bills]...

And really, the [country] does [not] have to [pay] it's [bills].
[You do].
[We don't].

[We] can spend [$1400] on [$32] parts with the [national defense budget].
You can't.
Bye.

Yeah, [they don't say it all like that], but they [may as well].

Economists

1998 to 2023

Here's a look at every single year between (1998) and (2023).

```
PS Prompt:\> $US.Output | % { [DebtRatioExtension]$_ } | Format-Table

Year Population Workforce   Debt DPP
---- ---------- ---------   ---- ---
1998  275835018  82750505  5.526 66779.0489361749
1999  279181581  83754474  5.656 67530.7224462911
2000  282398554  84719566  5.674 66973.9005317491
2001  285470493  85641148  5.807 67806.1924183604
2002  288350252  86505076  6.228 71995.7770343093
2003  291109820  87332946  6.783 77668.283311668
2004  293947885  88184366  7.379 83676.965902552
2005  296842670  89052801  7.933 89081.9828085816
2006  299753098  89925929  8.507 94600.0787991017
2007  302743399  90823020  9.008 99181.9075586821
2008  305694910  91708473 10.025 109313.77756699
2009  308512035  92553610 11.910 128682.175091951
2010  311182845  93354854 13.562 145273.648809501
2011  313876608  94162982 14.790 157068.092446913
2012  316651321  94995396 16.066 169123.985595483
2013  319375166  95812550 16.738 174695.286470833
2014  322033964  96610189 17.824 184493.991673148
2015  324607776  97382333 18.151 186389.034951687
2016  327210198  98163059 19.573 199392.726282334
2017  329791231  98937369 20.245 204624.410815224
2018  332140037  99642011 21.516 215933.023949915
2019  334319671 100295901 22.719 226519.724496726
2020  335942003 100782601 27.748 275325.293413336
2021  336997624 101099287 29.617 292949.648396966
2022  338289857 101486957 30.824 303723.752451334
2023  333287557  99986267 31.410 314143.139751503

PS Prompt:\>
```

Conclusion

1998 to 2023

The number practically doubled between (1998-2008).
Then, the number practically doubled AGAIN between (2008-2018).

Keep in mind, the point of this number is to keep track of what needs to be [reduced], not [doubled].

You get a whole [safety] vibe, from like, [football].

I'm not sure if the reader has ever heard of this sport called [football], but I'm not talking about the sport that basically [every other country around the world] calls [football], where the ball is [round] and it has a bunch of [white] and [black] hexagons all over it.

That's called [soccer], here in [America].

In the [football] that I'm talking about, the [objective] of the fucking game, is to score these things called [touchdowns]. Or, you can even [punt] the [football] into the [goal posts], to score a [field goal].

However, that's not the [same mentality] that the [United States Government] seems to have, when it comes to [balancing the budget]. Nah.

The think that shit is stupid.
Instead, they will, every single year, score a [safety], or like a [touchback].

It's basically like [forfeiting] every single time that you have the fucking ball,
but somehow you get points for that.

Anyway, from (2018-2023), it shot up another [$10T].
That's [pretty good] if you're trying to [waste] as much [money] as you [possibly can].

It's [not good at all], if you wanna do the [opposite] of that.
Or like, the same thing that someone like [Albert Einstein] would think to do.
In terms of [managing finances] or the [national budget] and stuff.

Nah, something tells me that [Albert Einsten], and [Theodore Roosevelt]...
If they somehow had a [chance] to [come back to life] for a [single day]...?

They'd [wake up], [see] the [amount of money] our [country owes whoever]...
Then they would say "*Wow. That's fuckin' stupid...*"

Then they'd ask the nearest [police officer] or [soldier] to just [shoot them in the face], right there and then.

Why...? Uh- because [everything that they ever stood for] was basically [pissed on] by [people] who [accept] what the hell is going on.

They probably wouldn't even know where to begin, when told that [trillions of dollars are used],
for the [national defense] and the [budget], instead of like, ya know, [millions] or even [billions].

_____/ Conclusion

Michael C. Cook Sr.
Security Engineer
Secure Digits Plus LLC