

Contaminated Currency

Description:

The amount of cocaine detected (in ng/bill) on groups of bills of different denominations (\$1 through \$100) following an FBI inquiry into contaminated currency and as documented in Jourdan et al. (2013). Data is from 90 institutions selected from 66 cities in 43 states plus DC from 1993 - 2009. Longitude and latitude of the sampled cities were added 6/9/21 to loosely replicate Figure 1 of the Jourdan et al. (2013) manuscript. The dataset is tab delimited and has missing values.

Variables:

Institution: Institution from which groups of 10 or 8 bills were sampled

City: City in which the institution is located

State: State in which the institution is located

Date: Date of collection

One: The amount of cocaine detected (in ng/bill) on the group of \$1 bills

Five: The amount of cocaine detected (in ng/bill) on the group of \$5 bills

Ten: The amount of cocaine detected (in ng/bill) on the group of \$10 bills

Twenty: The amount of cocaine detected (in ng/bill) on the group of \$20 bills

Fifty: The amount of cocaine detected (in ng/bill) on the group of \$50 bills

Hundred: The amount of cocaine detected (in ng/bill) on the group of \$100 bills

Average: The average amount of cocaine detected per Institution

Latitude: Latitude of the city

Longitude: Longitude of the city

Code to Import:

```
currency <- read.table("Contaminated.Currency.txt",header=T,sep='\t')
```

References/Links:

Jourdan, TH, Veitenheimer, AM, Murray, CK, and Wagner, JR. The quantitation of cocaine on U.S. currency: Survey and significance of the levels of contamination, J. Forensic Sci. 2013;58(3), 616-624.

<https://www.ojp.gov/ncjrs/virtual-library/abstracts/quantitation-cocaine-us-currency-survey-and-significance-levels>