IMS Homework assignment 1

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Introduction

In this document we will establish a suitable estimator for the rainfalls in the netherlands or something. bla bla bla
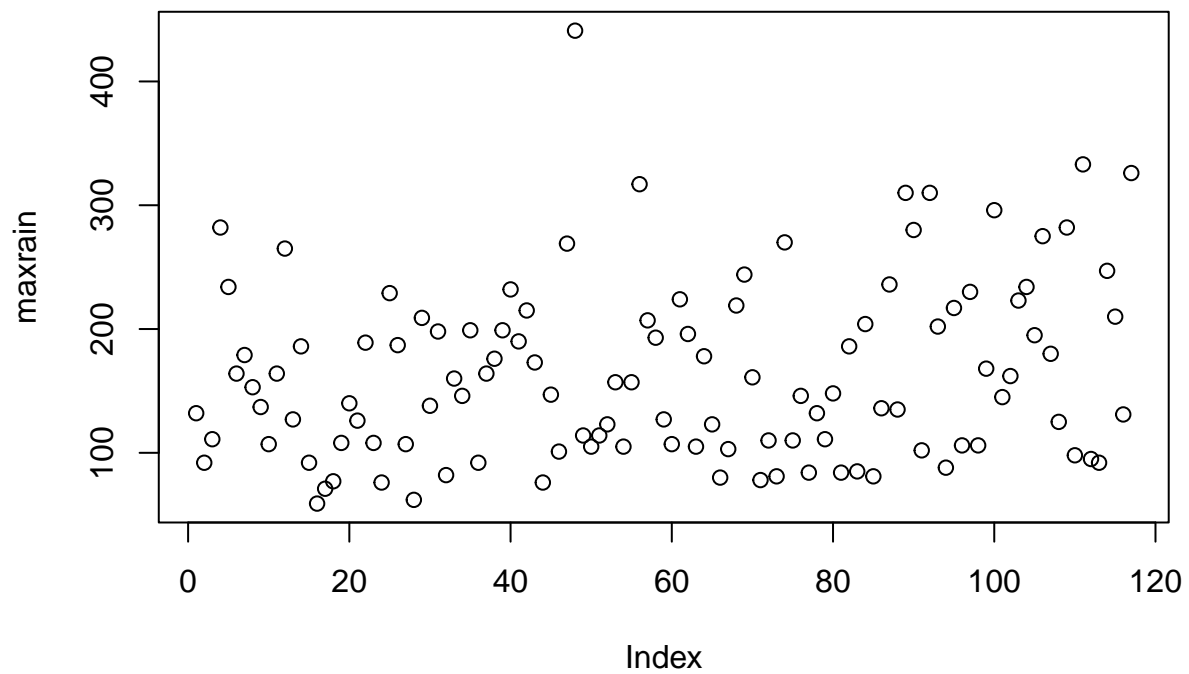
Visual representation

We have our dataset maxrain, but how do we access it?

```
load("maxrain.Rdata")
as.table(maxrain)
```
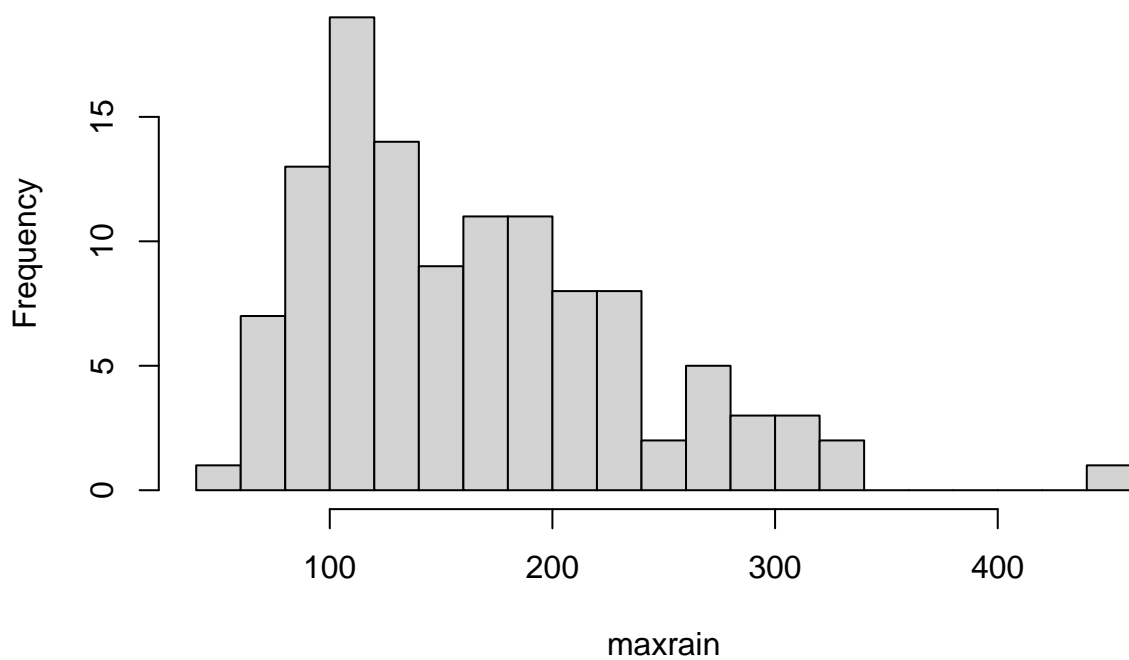
```
## 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921
##  132   92  111  282  234  164  179  153  137  107  164  265  127  186   92   59
## 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937
##   71   77  108  140  126  189  108   76  229  187  107   62  209  138  198   82
## 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953
##  160  146  199   92  164  176  199  232  190  215  173   76  147  101  269  441
## 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969
##  114  105  114  123  157  105  157  317  207  193  127  107  224  196  105  178
## 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985
##  123   80  103  219  244  161   78  110   81  270  110  146   84  132  111  148
## 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001
##   84  186   85  204   81  136  236  135  310  280  102  310  202   88  217  106
## 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017
##  230  106  168  296  145  162  223  234  195  275  180  125  282   98  333   95
## 2018 2019 2020 2021 2022
##   92  247  210  131  326
```

```
plot(maxrain)
```

```r
hist(maxrain, breaks = 20)
```

Histogram of maxrain

just like that!

dit is een stukje tex code: kijken of het werkt

$$\forall x \in X : \exists Y$$