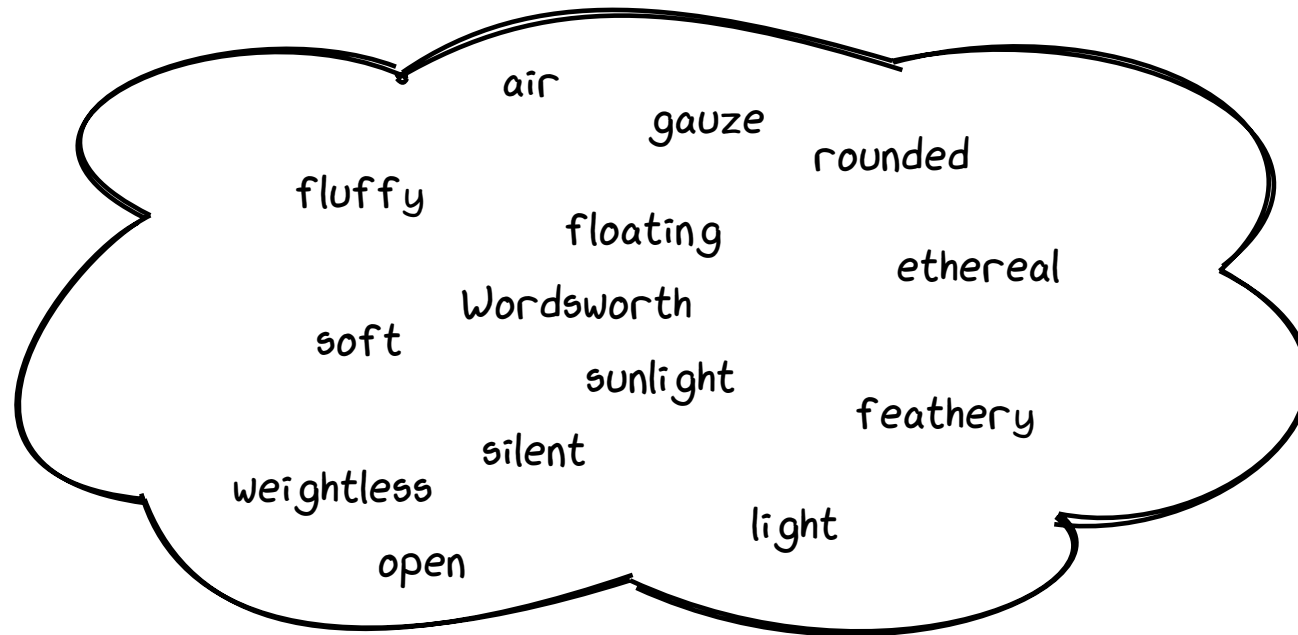


THE BOTTOMLESS DATACENTRE

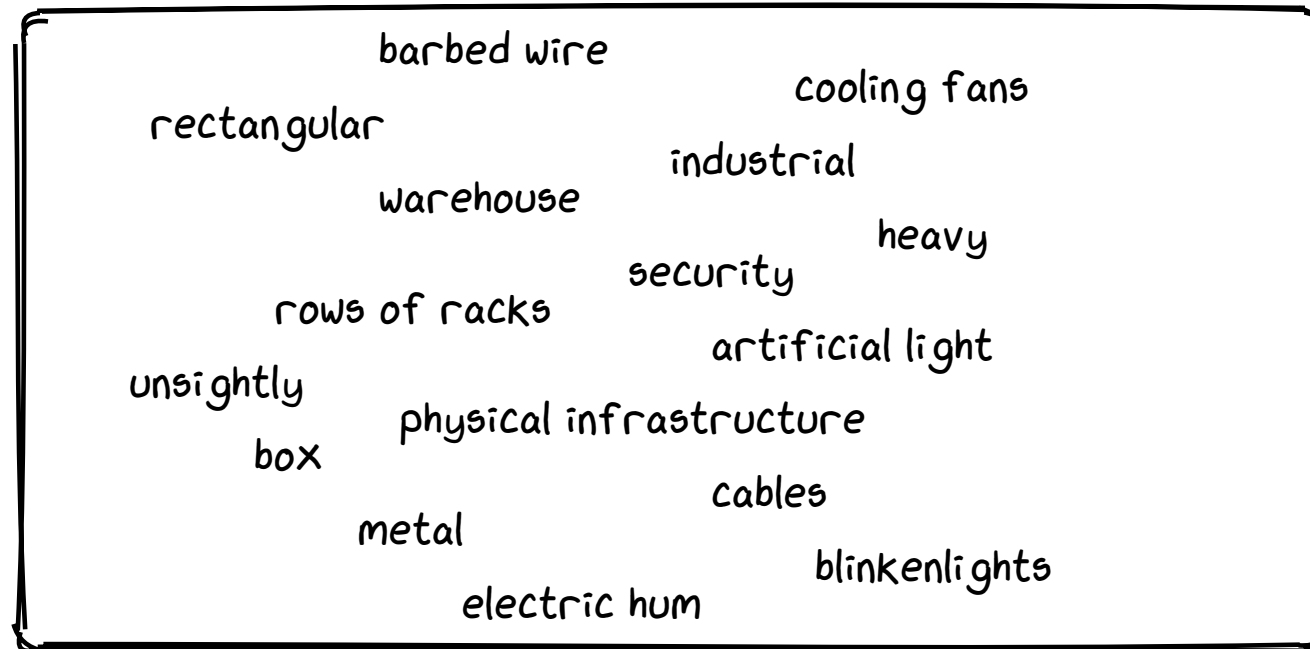


sustainable cloud computing

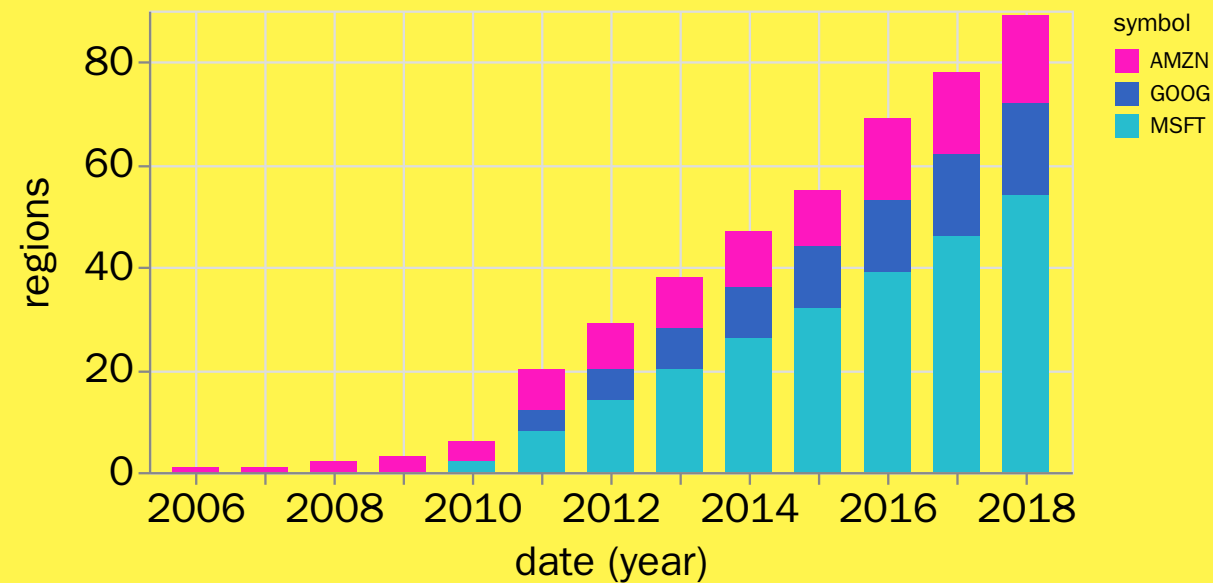
NEWSPEAK



TRANSLATION



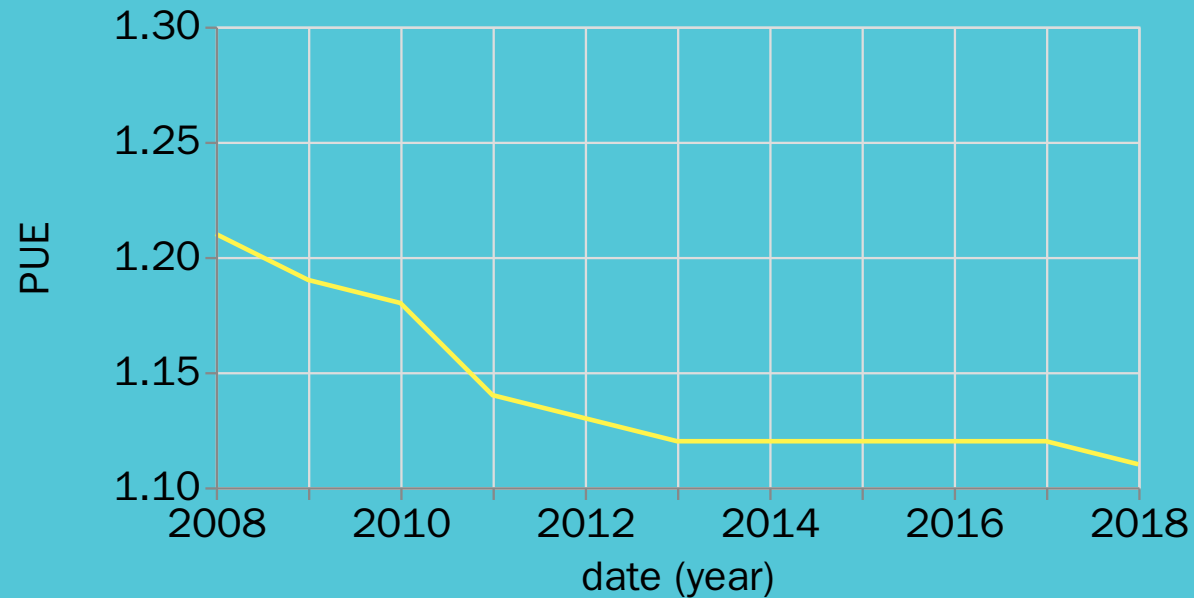
COMPUTE-1 AND UP



Region data based on the [AWS](#), [GCP](#) and [Azure](#) blogs.
Some missing data points interpolated.

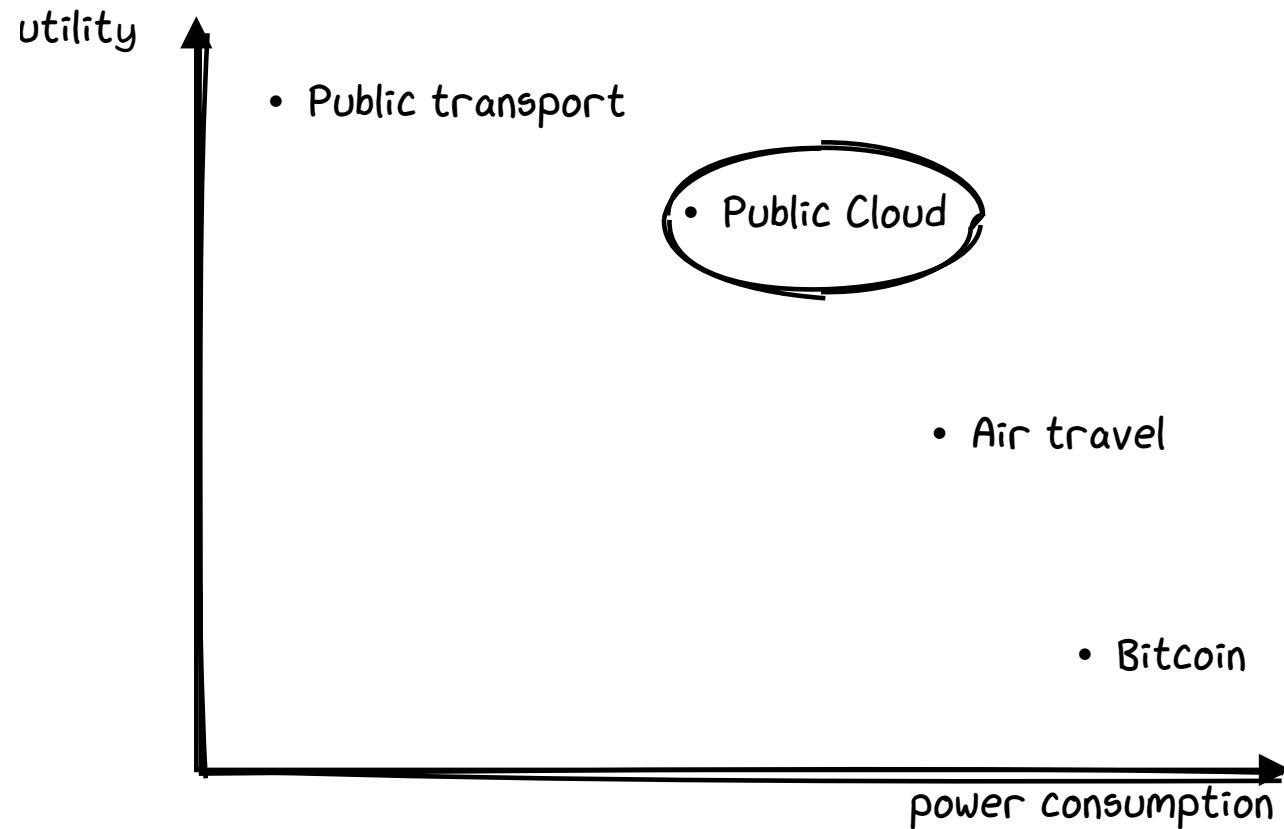
INCENTIVES

$$\text{PUE} = \frac{\text{Watts in}}{\text{IT watts}}$$



Power usage effectiveness data by [Google Data Centers](#)

ENERGY MIX



PHOENIX CI

```
FROM golang:1.11.1 as builder
WORKDIR /go/src/github.com/gerald1248/k8s-network-policy-viewer/
COPY * ./
RUN go mod download && go get && go vet go test -v -cover && \
    go build -o k8s-network-policy-viewer .
```

```
FROM ubuntu:18.10
WORKDIR /app/
EXPOSE 8080
COPY --from=builder ../k8s-network-policy-viewer /usr/bin/
USER 1000
CMD ["k8s-network-policy-viewer", "-s=true"]
```

THE MISSING THREE PER CENT

We should forget about small efficiencies,
say about 97% of the time:
premature optimization is the root of all evil

– Donald Knuth (?)

THE VIEW FROM LEMANS

Program to where the performance puck is going to be,
not where it has been

– DHH