# Traffic Sample



*http(s) traffic of John Smith* — *extracted per-flow feature vectors* — *per-destination-domain aggregated vector* — *per-user aggregated vector*

user_j_smith

google.com
google.com/search
gmail.com/check
gmail.com/check
100.100.100.100
cnn.com
cnn.com/news
cnn.com/images
addelivery.com

time

$f_1, f_2 \ldots \in \mathbb{R}^k$

$f_1, f_2 \ldots \in \mathbb{R}^d$
for google.com

$f_1, f_2 \ldots \in \mathbb{R}^d$
for gmail.com

$f_1, f_2 \ldots \in \mathbb{R}^d$
for 100.100.100.100

$f_1, f_2 \ldots \in \mathbb{R}^d$
for cnn.com

$f_1, f_2 \ldots \in \mathbb{R}^d$
for addelivery.com

$f_1, f_2 \ldots \in \mathbb{R}^u$
for user_j_smith

*to be classified in last Neural Net layer*