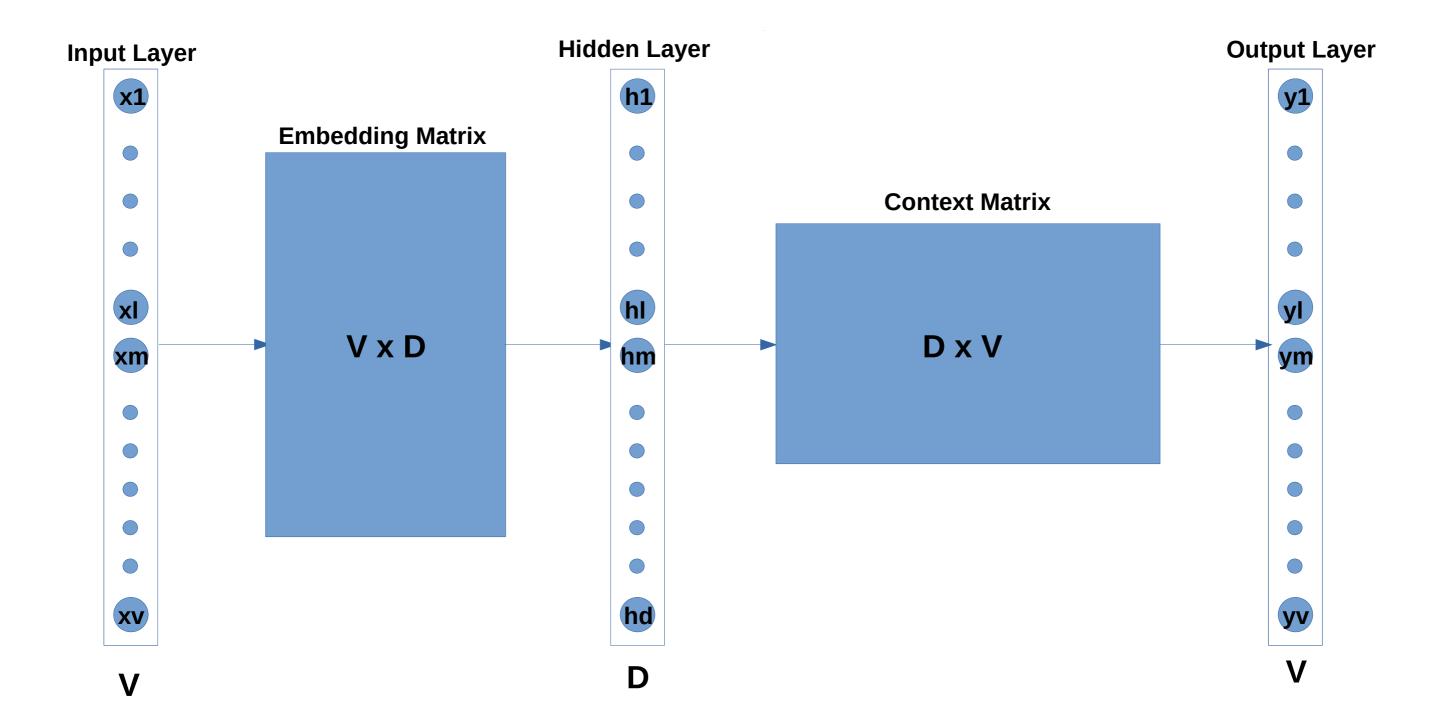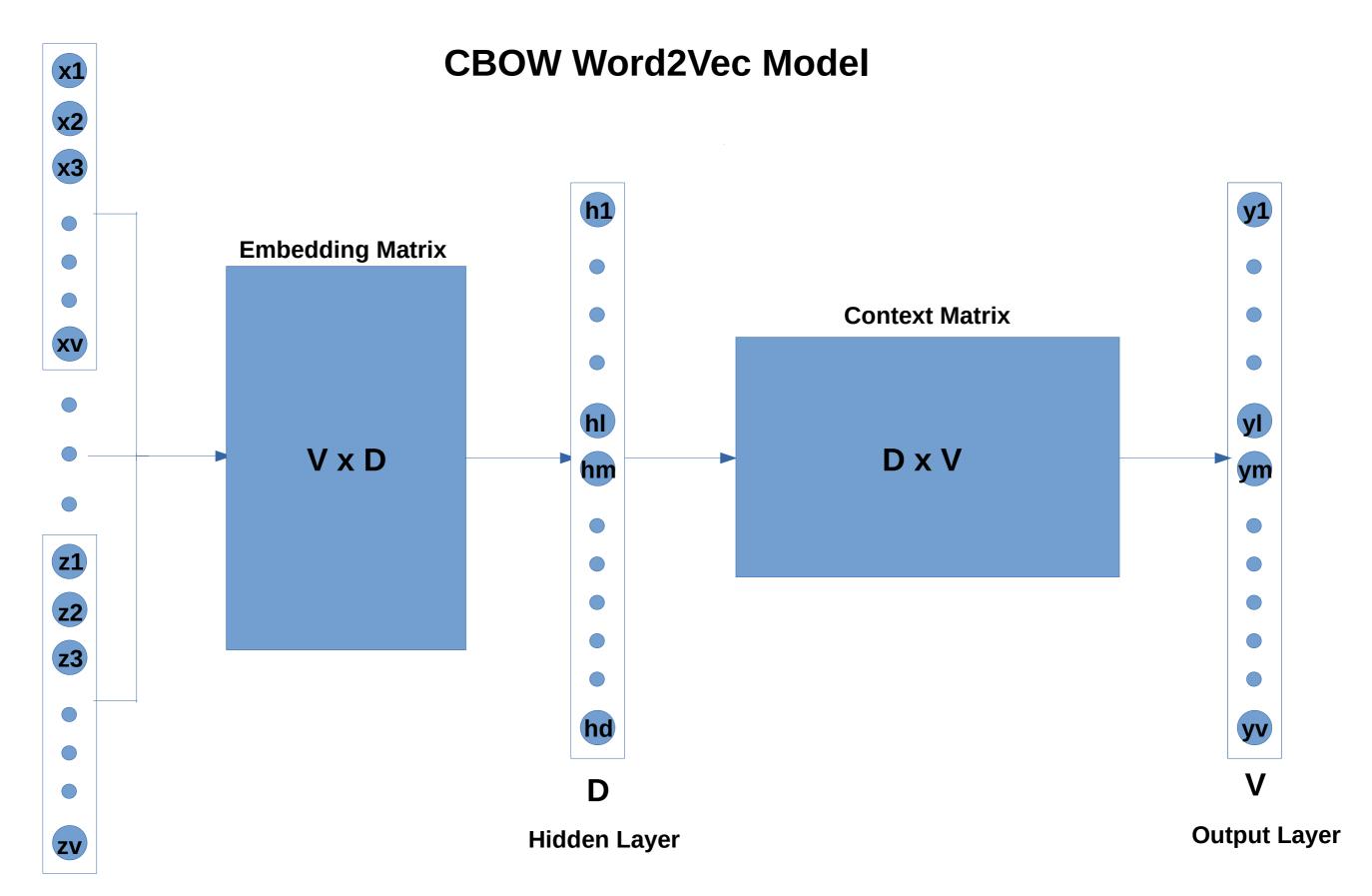# SKIP-gram Word2Vec Model

Input Layer

x1

xl

xm

xv

V

Embedding Matrix

V x D

Hidden Layer

h1

hl

hm

hd

D

Context Matrix

D x V

Output Layer

y1

yl

ym

yv

V

CBOW Word2Vec Model

Embedding Matrix

V x D

Context Matrix

D x V

x1
x2
x3
xv

z1
z2
z3
zv

Input Layer (w x V)

h1
hl
hm
hd

D

Hidden Layer

y1
yl
ym
yv

V

Output Layer