```
-- First column of `A` [a_1.data]
Vector a_1
-- Second column of `A` [a_2.data]
Vector a_2
-- Example vector in space [v.data]
Vector v
-- Matrix with `a_1` and `a_2` as columns
   [A.data]
Matrix A := columns(a_1, a_2)
-- `v` transformed by `A`
Vector Av = multiply(A, v)
AutoLabel All
```


v transformed by A

v: Example vector in space

A: Matrix with a_1 and a_2 as columns

$$A = \begin{bmatrix} a_{1,x} & a_{2,x} \\ a_{1,y} & a_{2,y} \end{bmatrix} = \begin{bmatrix} 1.93 & 0.28 \\ 1.17 & 1.21 \end{bmatrix}$$