# [LA] Linear Algebra Learnings 2020-02-03~09

## What is a subspace?

All the possible points/area the linear combinations of the column vectors can reach.

Linear subspace = a set, a linear combination should result into still being in that set.

Subspace rule:

1. Any linear combination of an element of the subspace should be still in the subspace.
2. Must pass through 0/origin.
   1. A line or plane must pass through the origin.

## What is a column space?

## What is a