Math related to making new feature

Working with linear combinations -
$$y = \alpha x_1 + b x_2$$

$$= c(\alpha, -\alpha_2) + d(\alpha_1 + \alpha_2) - double the average.$$

$$= (c+d) x_1 + (-c+d) x_2$$

swap variable to formulate or interpret.

Q = C + d, b = -C + d

can sub them is and determine the contribute to the regression.

$$2c = a - b = 7 \quad c = \frac{1}{2}(a - b)$$

$$2d = a + b = 7 \quad d = \frac{1}{2}(a + b)$$
Sub then in

is the change important or the raw absolute variables more import

New_pd= pd-Date Franc(leis) Size. for _ In range /en (colon) Z