



UNIVERSITAT_{DE}
BARCELONA

OPTIMIZATION

MASTER IN FUNDAMENTAL PRINCIPLES OF DATA SCIENCE

OPTIMIZATION PROBLEM 2

CONCRETE MIXING PROBLEM



DATA SCIENCE @ UNIVERSITAT DE BARCELONA

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ACADEMIC YEAR 2021-2022

1 Problem description

Find the best possible approximation $\mathbf{x} = (x_1, \dots, x_m)$ of the ideal mixture, $\mathbf{c} = (c_1, \dots, c_n)$, by using the material from the m mines.

2 Solution