Results for Cell Type #1

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type1

Beta = 3.1778, x0 value = 0.6691 ,alpha1 = 0.33842 ,alpha2 = 2.706

R values at each time stamp
    0.1372
    0.2416
    0.3917

Square error
  114.7433

Results for Cell Type #2

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type2

Beta = 10, x0 value = 1.4043 ,alpha1 = 0.29202 ,alpha2 = 5

R values at each time stamp
    0.1958
    0.2650
    0.2805

Square error
  120.8730

Results for Cell Type #3

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

NDMwSwM for cell type3

Beta = 6.8316, x0 value = 2.1383 ,alpha1 = 0.49728 ,alpha2 = -2.1569

R values at each time stamp
    0.1882
    0.2611
    0.2247

Square error
  123.2233

 Results for Cell Type #4

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type4

Beta = 7.7252, x0 value = 0.83551 ,alpha1 = 0.25486 ,alpha2 = 5

R values at each time stamp
    0.1684
    0.2730
    0.3496

Square error
  117.4227

 Results for Cell Type #5

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type5

Beta = 5.6837, x0 value = 1.1995 ,alpha1 = 0.38687 ,alpha2 = 0.94077

R values at each time stamp
    0.1496
    0.2474

    0.1938

Square error
  125.2207

 Results for Cell Type #6

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

_____
NDMwSwM for cell type6

Beta = 7.946, x0 value = 1.5672 ,alpha1 = 0.1866 ,alpha2 = 2.9777

R values at each time stamp
    0.1755
    0.2826
    0.2320

Square error
  122.9083

 Results for Cell Type #7

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

_____
NDMwSwM for cell type7

Beta = 6.8363, x0 value = 1.4001 ,alpha1 = 0.31006 ,alpha2 = 1.0139

R values at each time stamp
    0.1591
    0.2594
    0.1901

Square error
  125.0362

 Results for Cell Type #8

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type8

Beta = 8.9666, x0 value = 1.6705 ,alpha1 = 0.42279 ,alpha2 = -2.3393

R values at each time stamp
   0.1720
   0.2545
   0.1765

Square error
  125.2293

 Results for Cell Type #9

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type9

Beta = 5.9886, x0 value = 0.18865 ,alpha1 = 0.31456 ,alpha2 = 4.9999

R values at each time stamp
   0.1737
   0.3452
   0.4702

Square error
  109.1305

 Results for Cell Type #10

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type10

Beta = 7.3668, x0 value = 1.4049 ,alpha1 = 0.35878 ,alpha2 = 0.41301

R values at each time stamp
   0.1575
   0.2485
   0.1738

Square error
  125.6611

 Results for Cell Type #11

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type11

Beta = 9.9998, x0 value = 1.7105 ,alpha1 = 0.19781 ,alpha2 = 4.9998

R values at each time stamp
   0.2014
   0.2677
   0.2121

Square error
  123.5497

 Results for Cell Type #12

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type12

Beta = 10, x0 value = 0.65917 ,alpha1 = 0.28036 ,alpha2 = 5

R values at each time stamp
   0.2055
   0.2721
   0.3099

Square error
  120.3998

 Results for Cell Type #13

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type13

Beta = 9.132, x0 value = 0.72031 ,alpha1 = 0.24564 ,alpha2 = 5

R values at each time stamp
    0.1712
    0.2568
    0.3145

Square error
  119.8007

 Results for Cell Type #14

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type14

Beta = 7.2259, x0 value = 0.64606 ,alpha1 = 0.33904 ,alpha2 = 5

R values at each time stamp
    0.1721
    0.2869
    0.3360

Square error
  118.8044

 Results for Cell Type #15

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are

satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type15

Beta = 7.5981, x0 value = 0.97715 ,alpha1 = 0.26902 ,alpha2 = 5

R values at each time stamp
   0.1754
   0.3021
   0.3118

Square error
  119.3169

 Results for Cell Type #16

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type16

Beta = 5.1972, x0 value = 1.2901 ,alpha1 = 0.24959 ,alpha2 = 3.7353

R values at each time stamp
   0.1564
   0.2839
   0.3504

Square error
  116.7406

 Results for Cell Type #17

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type17

Beta = 6.6471, x0 value = 1.3994 ,alpha1 = 0.35725 ,alpha2 = 0.69905

R values at each time stamp
   0.1572
   0.2542
   0.1866

Square error
 125.2212

 Results for Cell Type #18

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type18

Beta = 10, x0 value = 1.5922 ,alpha1 = 0.63835 ,alpha2 = −4.3882

R values at each time stamp
   0.1860
   0.3183
   0.3319

Square error
 116.8590

 Results for Cell Type #19

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type19

Beta = 8.9693, x0 value = 1.5755 ,alpha1 = 0.49196 ,alpha2 = −1.8126

R values at each time stamp
   0.1720
   0.2721
   0.2114

Square error
 123.7817

 Results for Cell Type #20

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type20

Beta = 5.5779, x0 value = 0.87108 ,alpha1 = 0.6187 ,alpha2 = -5

R values at each time stamp
    0.1528
    0.2418
    0.2735

Square error
  121.9429

 Results for Cell Type #21

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type21

Beta = 7.1964, x0 value = 1.321 ,alpha1 = 0.35483 ,alpha2 = 0.48128

R values at each time stamp
    0.1544
    0.2486
    0.1757

Square error
  125.6597

 Results for Cell Type #22

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

NDMwSwM for cell type22

Beta = 7.9153, x0 value = 1.555 ,alpha1 = 0.43165 ,alpha2 = −0.90081

R values at each time stamp
   0.1646
   0.2489
   0.1724

Square error
  125.5703

 Results for Cell Type #23

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type23

Beta = 4.7276, x0 value = 1.0465 ,alpha1 = 0.2588 ,alpha2 = 2.6914

R values at each time stamp
   0.1482
   0.2677
   0.2416

Square error
  123.2167

 Results for Cell Type #24

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

NDMwSwM for cell type24

Beta = 8.686, x0 value = 1.7116 ,alpha1 = 0.71262 ,alpha2 = −1.9109

R values at each time stamp
   0.1805
   0.3065

    0.3011

Square error
  119.0974

 Results for Cell Type #25

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than
the default value of the step size tolerance and constraints are
satisfied to within the default value of the constraint tolerance.

<stopping criteria details>

_____
NDMwSwM for cell type25

Beta = 8.3288, x0 value = 1.2353 ,alpha1 = 0.57669 ,alpha2 = -5

R values at each time stamp
    0.1676
    0.2711
    0.2451

Square error
  122.6451

ans =

  1×2 table

      Var1   square_error
    _____   _____

    [1x25 double]   [1x25 double]

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