GPTIPS tree structure report
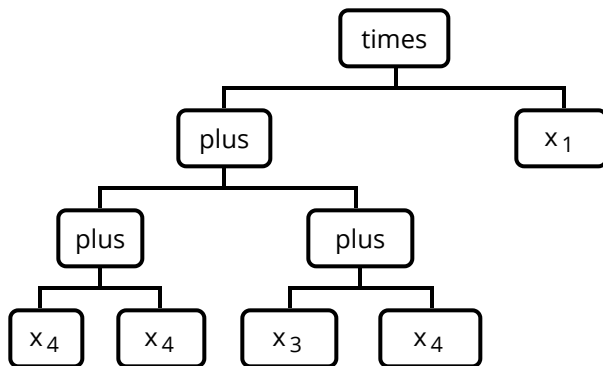
For best model on training data.

26-Apr-2019 17:19:57
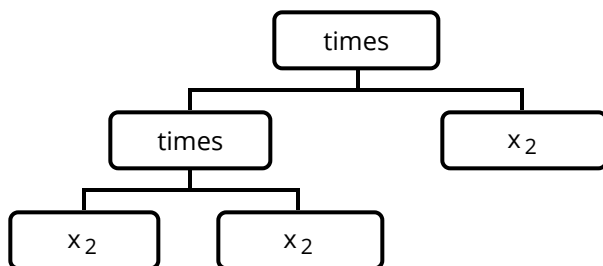
Tree 1

nodes = 9 depth = 4 complexity = 27
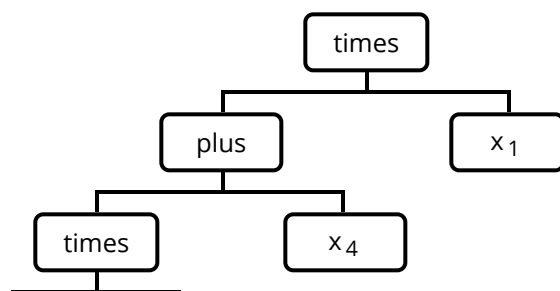

Tree 2

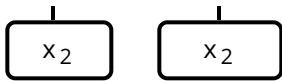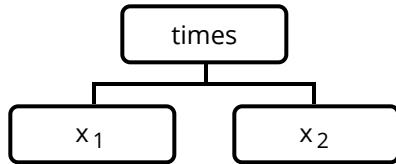nodes = 5 depth = 3 complexity = 11
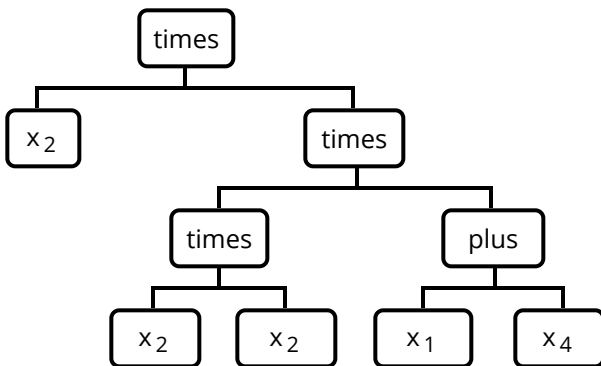

Tree 3

nodes = 7 depth = 4 complexity = 19

x_2 x_2

Tree 4

nodes = 3 depth = 2 complexity = 5

```
        times
       /     \
     x_1      x_2
```

Tree 5

nodes = 9 depth = 4 complexity = 27

```
   times
   /    \
 x_2    times
        /    \
     times    plus
     /   \    /   \
   x_2  x_2  x_1  x_4
```

Tree 6

nodes = 1 depth = 1 complexity = 1

x_4
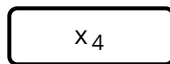
Tree 7

nodes = 5 depth = 3 complexity = 11

```
        times
        /    \
      plus    x_4
     /    \
   x_3    x_2
```
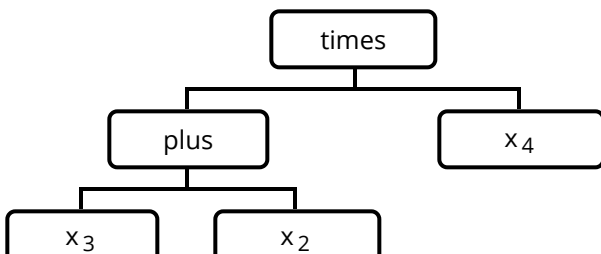
Tree 8

nodes = 9 depth = 4 complexity = 25

```
                    minus
          ┌───────────┴───────────┐
        times                   times
     ┌────┴────┐             ┌────┴────┐
    x_2      times          x_1       x_3
          ┌───┴───┐
         x_1     x_4
```
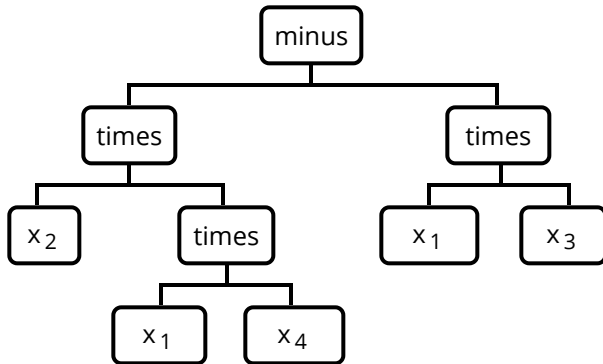
Tree 9

nodes = 5 depth = 3 complexity = 11

```
              plus
       ┌───────┴───────┐
      x_1             plus
                   ┌───┴───┐
                  x_1     x_4
```
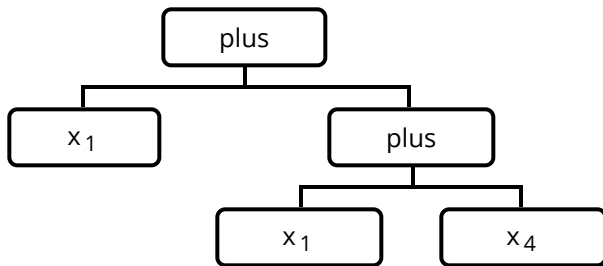
Tree 10

nodes = 1 depth = 1 complexity = 1

```
       x_2
```
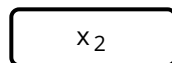
Tree 11

nodes = 7 depth = 3 complexity = 17

```
              plus
       ┌───────┴───────┐
     plus             plus
```

x_4 x_2 x_3 x_2
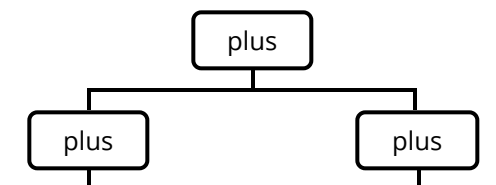
Tree 12

nodes = 11 depth = 4 complexity = 33

times
— minus
—— x_2 x_4
— plus
—— plus
——— x_3 x_2
—— plus
——— x_3 x_4
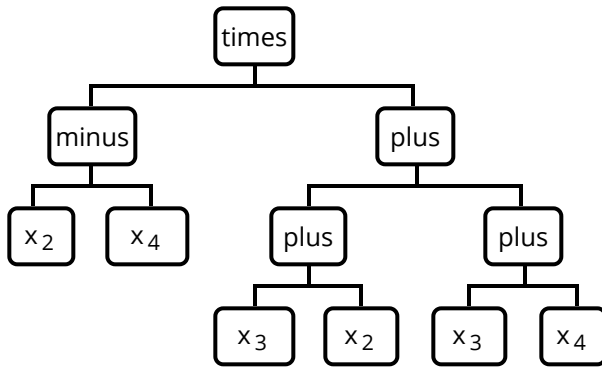
GPTIPS - the symbolic data mining platform for MATLAB

© Dominic Searson 2009-2015