

OLS

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Abstract—Implementation of linear regression using the closed form and the gradient descent solutions. Incorporate the ridge regularization from scratch and used the lasso implementation from scikit-learn.

I. INTRODUCTION

This demo file is intended to serve as a “starter file” for IEEE conference papers produced under L^AT_EX using IEEEtran.cls version 1.8a and later. I wish you the best of success.

[1] mds
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A. Implementation of OLS

Subsection text here.

1) *Closed form*: Subsubsection text here.

2) *Gradient Descent*:

```
if  $i \geq \text{maxval}$  then
     $i \leftarrow 0$ 
else
    if  $i + k \leq \text{maxval}$  then
         $i \leftarrow i + k$ 
    end if
end if
```

II. CONCLUSION

The conclusion goes here.

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