Project Heg

09/21/2022

Kinds of project - Pich a publem/datoret understand a ML (Kasple) model (Algo in - play with Me motels more detail. - What is he ard entera? implements a Me approan from Such

Head Project Type A

- E-8 SVM - Study Modeling capabilities of different

Kernels

- Study role of different hyper-parens - Study role of prind vls Dud approach

- When does it work I when does it mot?

other Examples - Different Dontasets (Synthetic, Real) - Neural Networks - Implement some peoples Ided Project Type D

Deck a problem of interest (eg. Spam classif),

Stock poice prediction...)

Detc Analysis

2 Exploratory Dete Andysis

> Feature Eng.

(3) Try different Model femilies

— Tune hyperparans

(4) Choose evaluation Criterion

(5) Which methods worked and why?

Ideal Project Type (- Pick a non-trivial Family of Algorithms - Ez: Neural Networks - Implement then from scratch - List Engs isony, and other technotical challenges encountered - Compare performance with existing toolkits on accuracy, speed, etc.

- Lessons learnt

what one things he will be looking +? - How deeply you have thought about the problem? - Stekenstic analysis of motell/algorithm - Problem formulations & implementation (well documented Code submission) of weakness as 8 strengths of - And 1511 approales diff event * If you use anything from a source online, pl cite

What will you submit?

- Submit a project report with all deteils - thouse that worked a deteil work.

- Submit well documented code/notebooks with proper Readme files

- 10 Stide presentation on your work

proposal: 1-2 pase witerp

Project Proposed (C)- Problem / Dokset - Which ML approach? - Which ML odgostum? - Porc the public - Which expects - Francualy) - EXP Dak Andress - Expected Lang / Tools - ML als compare you will use. Regulb - Evd Cateria. - Tools you will - Which tools 400 USZwill usz-