Improving Deep Meany Metrooner: Hypermeter tuning Regularization 8 (Joain der Hent Sels -> Hold-out Todining consualidat -> development str "den" TRAIN Dey /TEST Dinbilo MISMATCHED Develtent set: (roaining let! Cat prictures from Cat prictures from users using your app webpager => Be sure that the Dey and fact set Some from Same distribution as your Towning

Varionce In Clourfication 6 over & Hing 1% Town Set expor: 11.00 Test set arror: we han Thigh variance ligh variance Overfitting 15% > Condutations Trainset crow 1676 per/tent emor 14 m / dight rocal high biok Ouder fithing

(cuse 3) Mont Set corror 0.5% varience low Rias, low Raic reipe for Madine Learning Town biger network High Riar? (Training date plantform) . Train longer [MN architechue Search ; > moredata High variance? (Der set perforamence) Repulalization (AIN architeture search DONE

Deep learning we can addreun of Variance Trade off Nioli billy having "Boger Metwork" => having "more data" => Reduce Variance without heisting cacholing REGULARIZATION

DIN and Herry