+ brangler Learning When a newed network har learned to jerform one Fast, and its addopted to a new Task. We delete The weights and last layer and make it august what we want. Ly we also substitute The dataset. We consisterain The new layer only or The veloce neet. The old network in Naw (Bre-Traing) The New network is now (Eine-Turning) Vollen doer Transfer learning make sense: + Tark A and B have The same input X + You have a lot more data for Task A, tean Task B. 5) Tark A' weight a lat len' + Lord level of featurer from A could be rulpfull for learning B.

+ Multi - Task Learning: Having a newral retwork do several, Things at The same Time, and each of The Fortz helps hapefully all other Tasks. · Architecture results i e more Elran one Fling is being predicted. Lon: g(i) => 1 = 1 (gi) (i) (ii) | leve milligle label · When doer multe-Task learning make sense; + Traing on a set of Task That could benefit from hoving should leve - level features. + Usually: Amount of data you have for each Tost is quite similar on train a big enough newral nelearl to do well an all the Takks.