

# aMMAI Final Project

## Cross-Domain Few-Shot Learning

### Presentation Slide

[aMMAI 2021 Final Project](#)

The following content is a subset of presentation slides.

### Performance Table

Method	FSL	CDFSL-Single			CDFSL-Multi		
	mini-ImageNet	Crop Disease	EuroSAT	ISIC	Crop Disease	EuroSAT	ISIC
Baseline	<b>74.9</b> ± <b>0.63%</b>	88.82 ± 0.54%	78.23 ± 0.61%	<b>49.15</b> ± <b>0.59%</b>	86.90 ± 0.56%	79.58 ± 0.63%	<b>48.03</b> ± <b>0.63%</b>
ProtoNet	63.22 ± 0.71%	85.30 ± 0.58%	75.93 ± 0.69%	41.58 ± 0.58%	84.02 ± 0.61%	78.03 ± 0.68%	42.88 ± 0.56%
DSN (dim=5)	70.09 ± 0.69%	87.01 ± 0.53%	76.52 ± 0.71%	41.10 ± 0.57%	<b>89.21</b> ± <b>0.52%</b>	<b>82.11</b> ± <b>0.58%</b>	<b>43.84</b> ± <b>0.58%</b>
DSN (dim=4)	<b>71.54</b> ± <b>0.65%</b>	<b>89.03</b> ± <b>0.53%</b>	<b>78.28</b> ± <b>0.66%</b>	<b>42.65</b> ± <b>0.57%</b>	86.24 ± 0.58%	80.24 ± 0.62%	41.36 ± 0.58%
DSN (dim=4) (sparse)	71.31 ± 0.65%	88.19% ± 0.52%	78.13 ± 0.66%	41.74 ± 0.54%	<b>87.22</b> ± <b>0.53%</b>	<b>80.51</b> ± <b>0.64%</b>	<b>42.94</b> ± <b>0.55%</b>

- If the highest performance is of baseline method, then the best performance of other methods are also marked.

## References

- [https://github.com/chrysts/dsn\\_fewshot/](https://github.com/chrysts/dsn_fewshot/)
- [https://github.com/JiaFong/NTU\\_aMMAI21\\_cdfsl](https://github.com/JiaFong/NTU_aMMAI21_cdfsl)