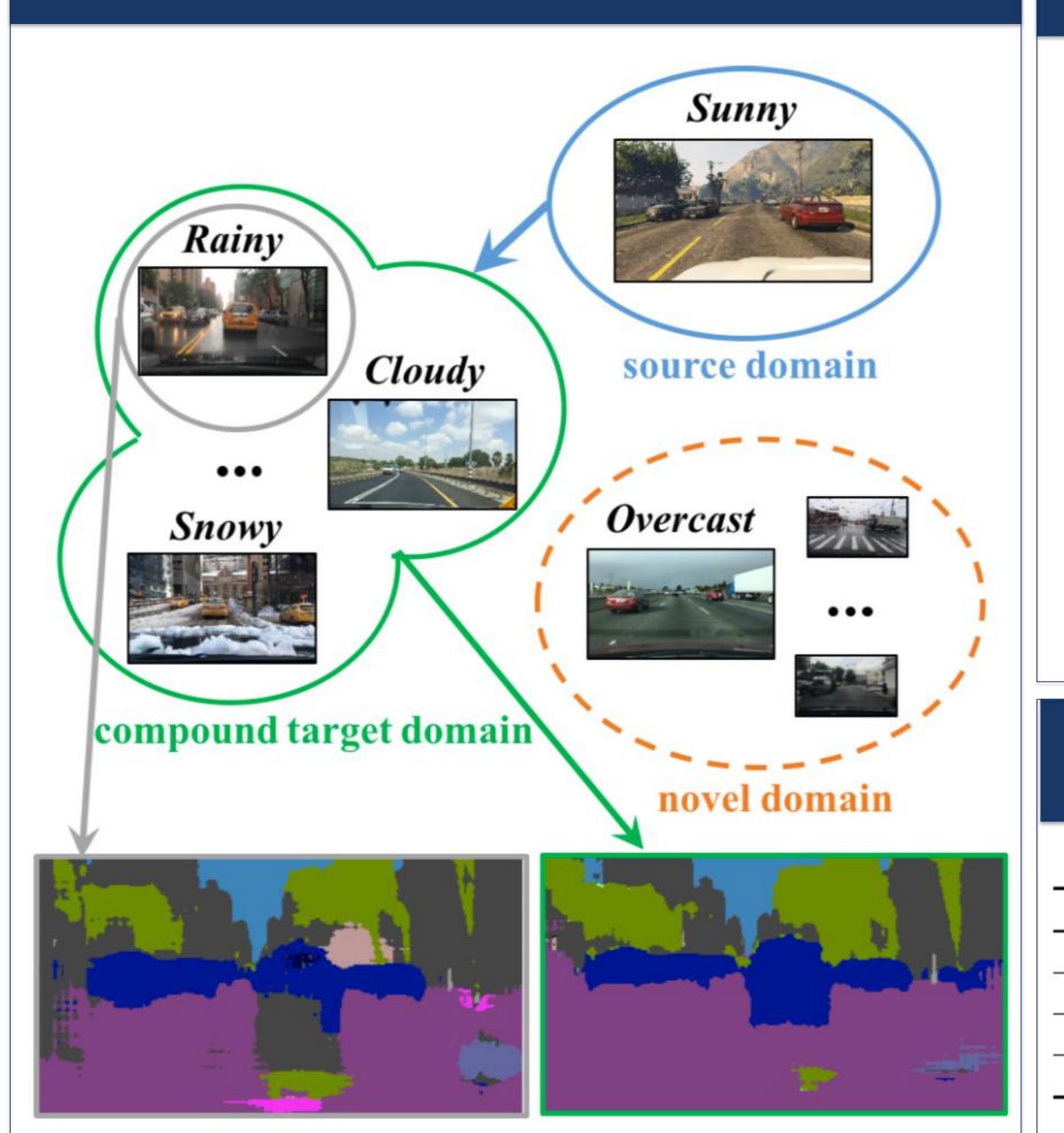


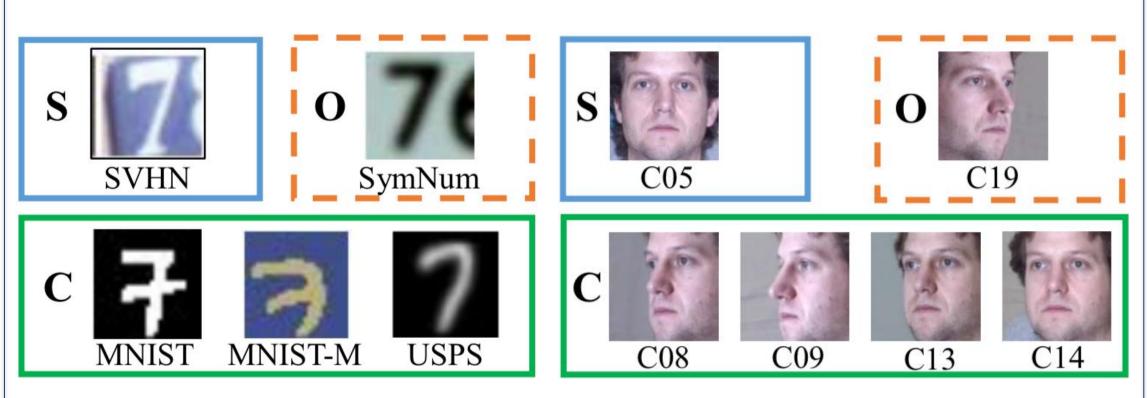
Code, Model and Data



Open Compound Domain Adaptation

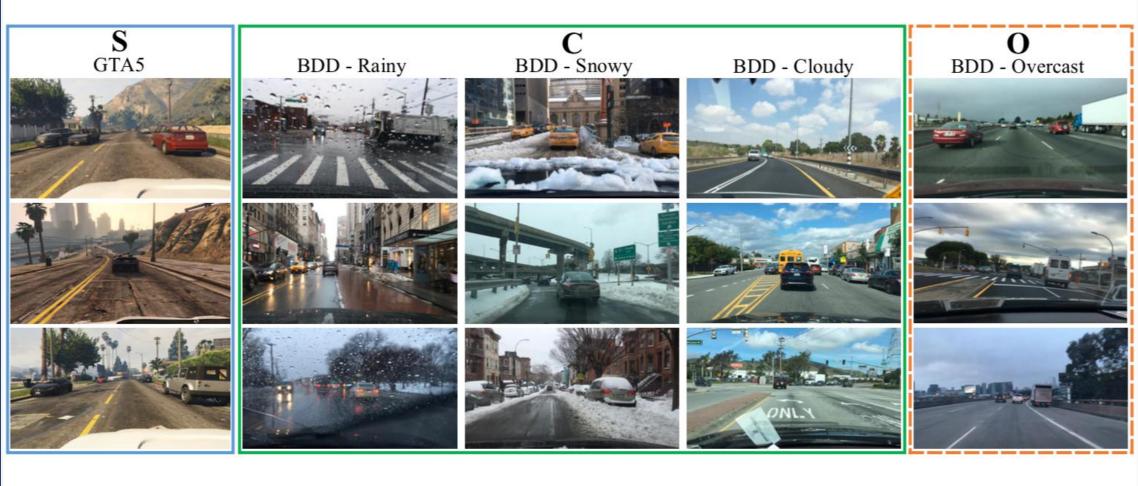


Benchmarks

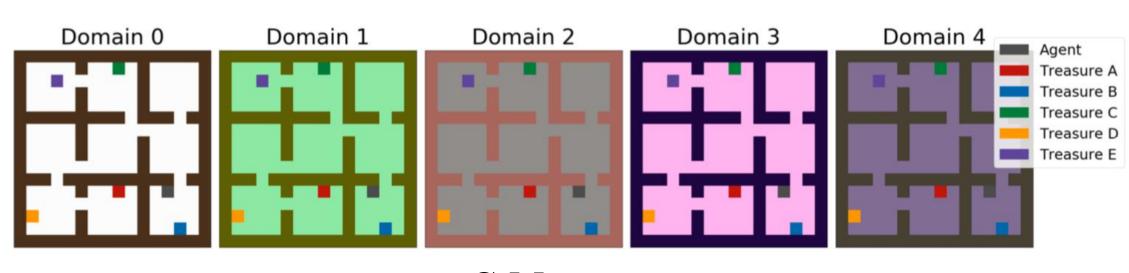


C-Digits

C-Faces



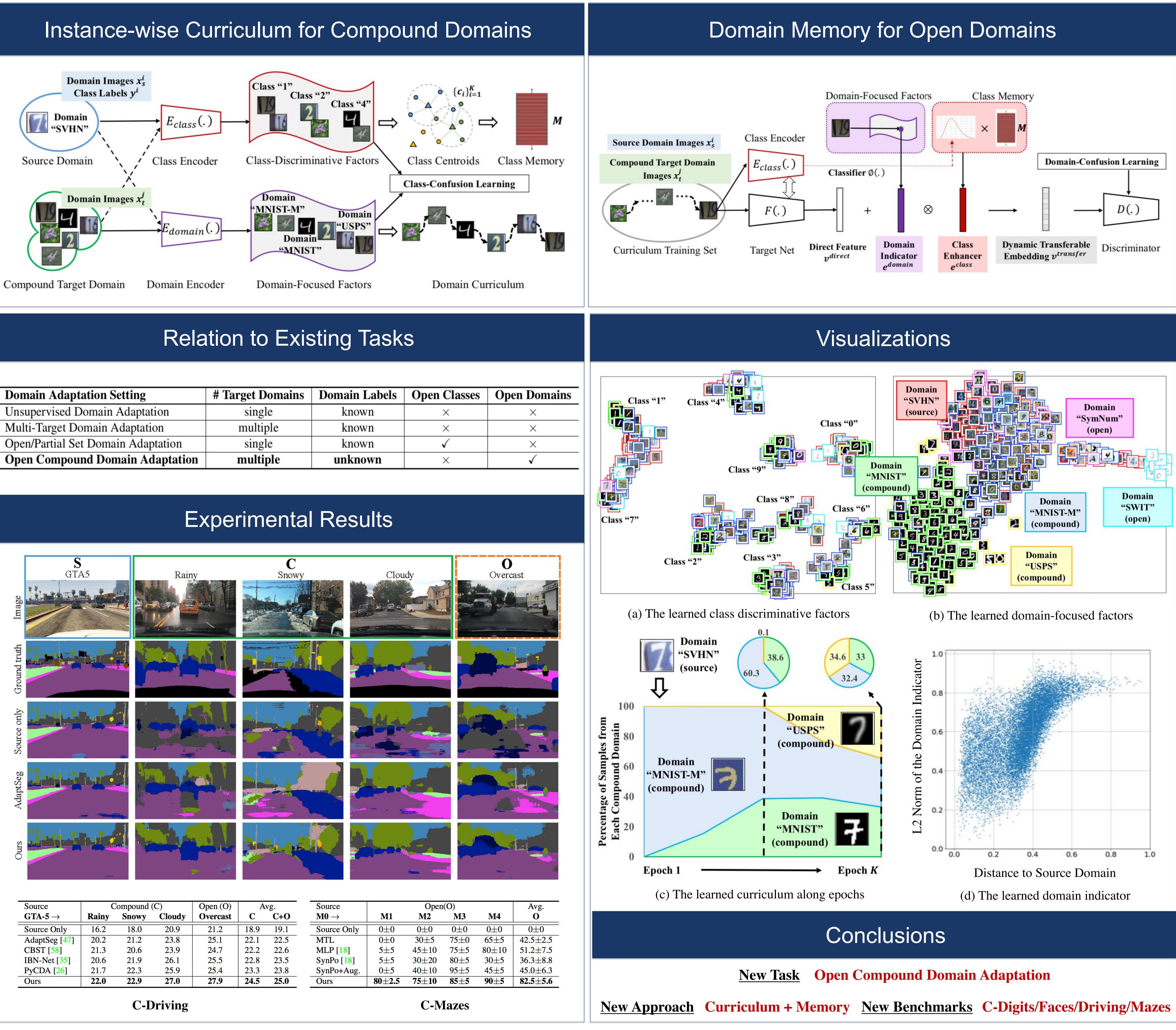
C-Driving



C-Mazes

Open Compound Domain Adaptation

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| Domain Adaptation Setting | # Target Domains | Domain Labels | |
|---|------------------|---------------|--|
| Unsupervised Domain Adaptation | single | known | |
| Multi-Target Domain Adaptation | multiple | known | |
| Open/Partial Set Domain Adaptation | single | known | |
| Open Compound Domain Adaptation | multiple | unknown | |

| Image | S GTA5 | Rainy | C Snowy | Cloudy |
|--------------|-----------|-------|------------|--------|
| Ground truth | | | | |
| Source only | | | | |
| AdaptSeg | | | | |
| Ours | | | | |

| Source | Compound (C) | | Open (O) Avg. | | vg. | Source | | | |
|----------------------------|--------------|-------|---------------|----------|------|--------|----------------------|----------|-----|
| $\text{GTA-5} \rightarrow$ | Rainy | Snowy | Cloudy | Overcast | С | C+O | ${ m M0} ightarrow$ | M1 | Ν |
| Source Only | 16.2 | 18.0 | 20.9 | 21.2 | 18.9 | 19.1 | Source Only | 0±0 | 0 |
| AdaptSeg [47] | 20.2 | 21.2 | 23.8 | 25.1 | 22.1 | 22.5 | MTL | 0 ± 0 | 30 |
| CBST [58] | 21.3 | 20.6 | 23.9 | 24.7 | 22.2 | 22.6 | MLP [18] | 5±5 | 45: |
| IBN-Net [35] | 20.6 | 21.9 | 26.1 | 25.5 | 22.8 | 23.5 | SynPo [18] | 5±5 | 30: |
| PyCDA [26] | 21.7 | 22.3 | 25.9 | 25.4 | 23.3 | 23.8 | SynPo+Aug. | 0 ± 5 | 40: |
| Ours | 22.0 | 22.9 | 27.0 | 27.9 | 24.5 | 25.0 | Ours | 80±2.5 | 75 |

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