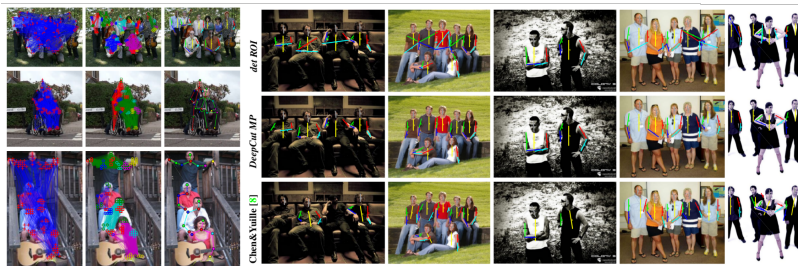


DeepCut: Joint Subset Partition and Labeling for Multi Person Pose Estimation

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- ▶ Existing methods for human pose estimation use two-stage strategies that separate the detection and pose estimation steps
- ▶ Contributions:
 - ▶ Proposes a new formulation as a joint subset partitioning and labeling problem (SPLP) of a set of body-part hypotheses generated with CNN-based part detectors
 - ▶ SPLP model jointly infers the number of people, their poses, spatial proximity, and part level occlusions
 - ▶ Results show that a joint formulation is crucial to disambiguate multiple and potentially overlapping persons
- ▶ Evaluates on LSP and MPII single-person benchmarks and MPII and WAF multi-person benchmarks