Structure Learning in Bayesian Networks (mostly Chow-Liu)

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Chow-Liu

• Goal: find a tree that maximizes the data likelihood

Algorithm

- Compute weight I(Xi,Xj) of each (possible) edge (Xi,Xj)
- Find a **maximum** weight spanning tree (MST)
- Give directions to edges in MST























Announcing • no recitation next week - happy thanksgiving! • better sleep...!