Fixed bandwidth

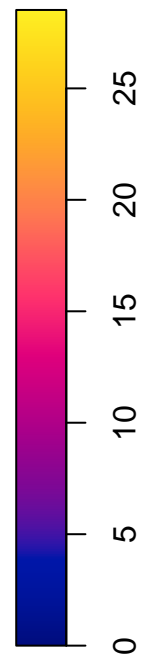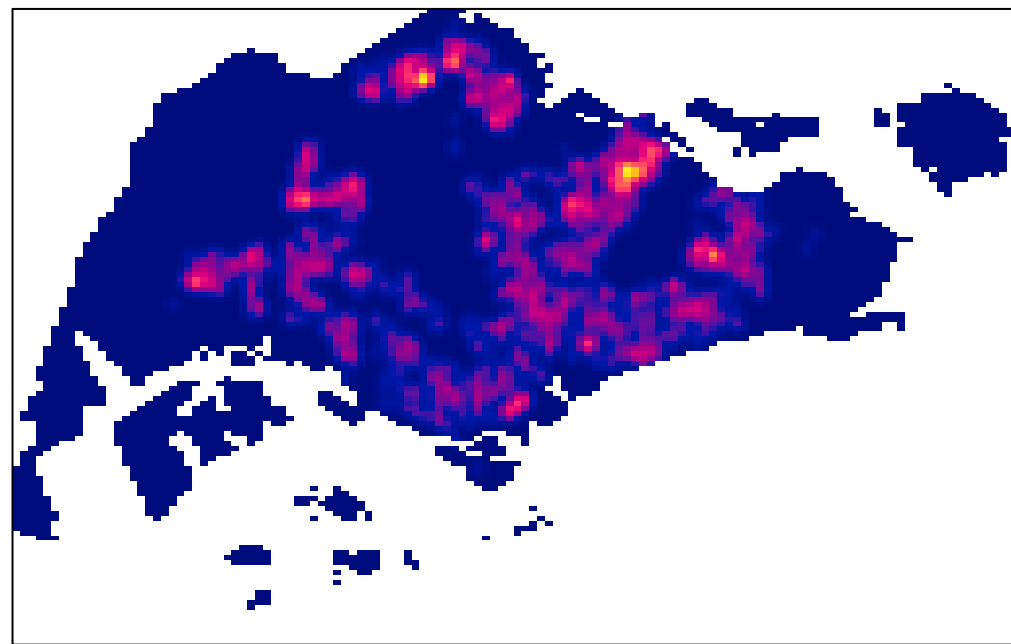**Adaptive bandwidth**