



$$\text{MMD}_k(S_0, t_0) := \|\mu_{S_0} - \mu_{t_0}\|.$$

Below the equation, three vertical arrows indicate the convergence rates of the sample means to the population means:

- A green arrow from $\text{MMD}_k(\hat{S}_m, \hat{t}_m)$ to $\text{MMD}_k(S_0, t_0)$ is labeled $O(m^{-1/2})$.
- A red arrow from \hat{S}_m to S_0 is labeled $O(m^{-1/d})$.
- A red arrow from \hat{t}_m to t_0 is labeled $O(m^{-1/d})$.