

STATISTICAL MANIFOLDS

Steffen L. Lauritzen*

1. Introduction	165
2. Some Differential Geometric Background	167
3. The Differential Geometry of Statistical Models	177
4. Statistical Manifolds	179
5. The Univariate Gaussian Manifold	190
6. The Inverse Gaussian Manifold	198
7. The Gamma Manifold	203
8. Two Special Manifolds	206
9. Discussion and Unsolved Problems	212
10. References	215

*Institute for Electronic Systems, Aalborg University Center, Aalborg, Denmark