

---

**KASRA YOUSEFI**, Simon Fraser University  
*Advanced Putting Metrics in Golf*

Using ShotLink data that records information on every stroke taken on the PGA Tour, we introduce a new metric to assess putting. The methodology is based on ideas from spatial statistics where a spatial map of each green is constructed. The spatial map provides estimates of the expected number of putts from various green locations. The difficulty of a putt is a function of both its distance to the hole and its direction. A golfer's actual performance can then be assessed against the expected number of putts.