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Handbook of Spatial Point-Pattern Analysis in Ecology chapter 2
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This chapter is the core of the book and provides the conceptual framework for point-pattern analysis in ecology.

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9781420082548 The Handbook of Spatial Point-Pattern Analysis in Ecology by Thorsten Wiegand and Kirk A.

Moloney is an excellent, modern and detailed overview of the methods and approaches for analyzing location based-data in its geographic context.

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Handbook of Spatial Point-Pattern Analysis in Ecology

Throughout Spatial Point Patterns, the authors use their spatstat package, which is free, open-source code written in the R language. This package provides a wide range of capabilities for spatial point pattern data, from basic data handling to advanced analytic tools.

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Figure 3.4 from Handbook of Spatial Point-Pattern Analysis ...

This package provides a wide range of capabilities for spatial point pattern data, from basic data handling to advanced analytic tools. The book focuses on practical needs from the user's perspective, offering answers to the most frequently asked questions in each chapter.

Spatial Point Patterns: Methodology and Applications with ...

A detailed description of the methods implemented in Programita can be found in my Handbook of Spatial Point Pattern Analysis in Ecology. The updated Programita software has been downloaded since its launch in January 2014 (up to Nov. 2017) by more than

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This is a detailed set of notes for a workshop on Analysing spatial point patterns that has been held several

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Tanner 2008. It covers statistical methods
times in Australia and New Zealand in
2006–2008. It covers statistical methods
that are currently feasible in practice
and available in public domain software.
Some of these techniques are well
established in the applications literature,

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Pioneer trees play a key role in the
recovery of a reclaimed ecosystem that
is nutrient-deficient in the initial stage of
reclamation. Clarifying the growth of
pioneer trees and their response to
intra- or interspecific competition is of
great importance to help stewards
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spatial randomness (CSR) describes a
point process whereby point events
occur within a given study area in a
completely random fashion. It is

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synonymous with a homogeneous spatial Poisson process. Such a process is modeled using only one parameter, i.e. the density of points within the defined area. The term complete spatial randomness is commonly used in ...

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