TEKLRN

R LEVEL 4

1. Arrays and matrices

2. Arrays

3. Array indexing. Subsections of an array

4. Index matrices

5. The array() function

6. Mixed vector and array arithmetic. The recycling rule

7. The outer product of two arrays

8. Generalized transpose of an array

9. Matrix facilities

10. Matrix multiplication

11. Linear equations and inversion

12. Eigenvalues and eigenvectors

13. Singular value decomposition and determinants

14. Least squares fitting and the QR decomposition

15. Forming partitioned matrices, cbind() and rbind()

16. The concatenation function, c(), with arrays

17. Frequency tables from factors