

# cp decomposition glioma 73 test rank5

VIVI TANG

17/11/2021

## 1. Kmeans

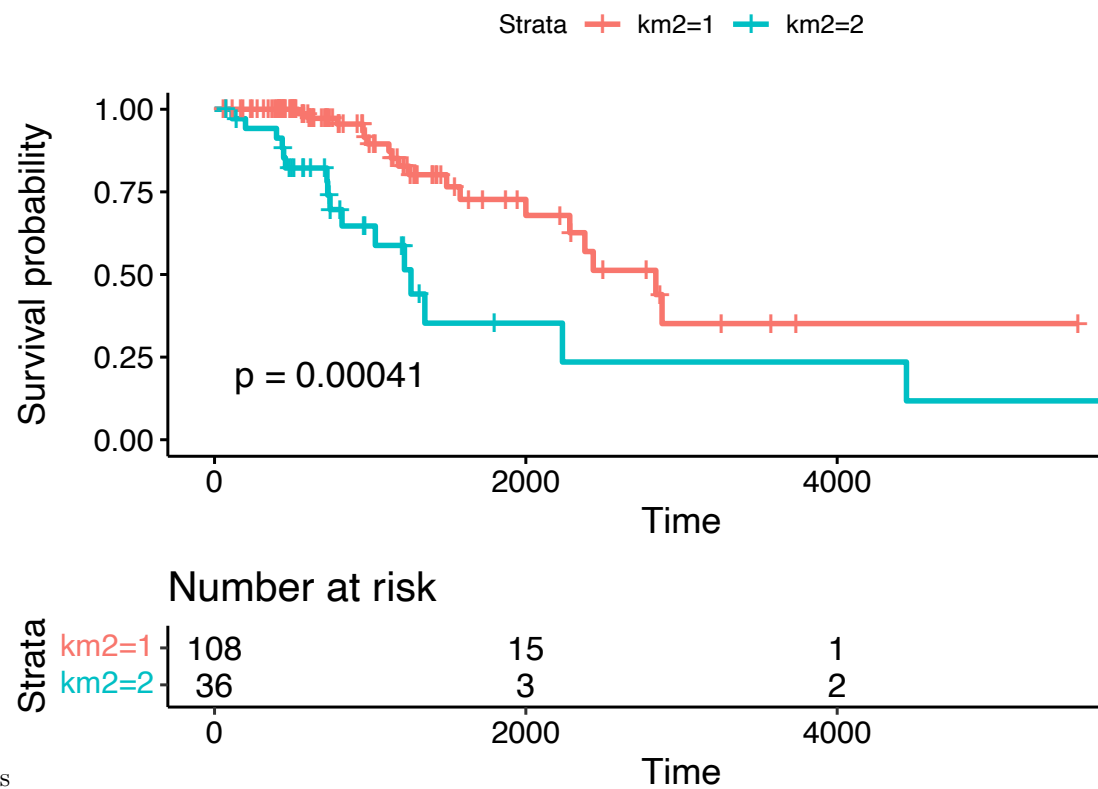
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## Warning: package 'lattice' was built under R version 3.6.2
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## Warning: package 'survival' was built under R version 3.6.2
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## Warning: package 'survminer' was built under R version 3.6.2
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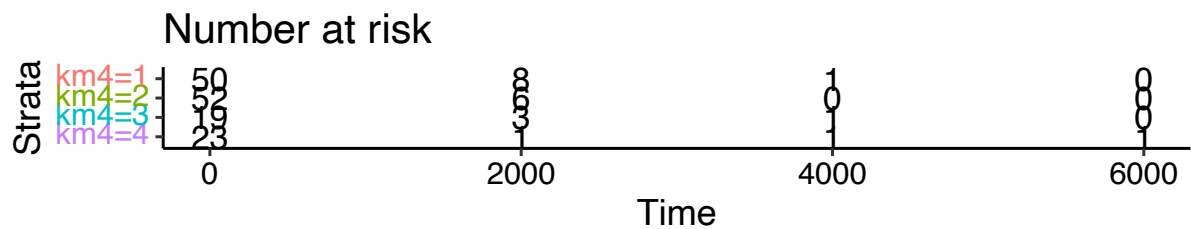
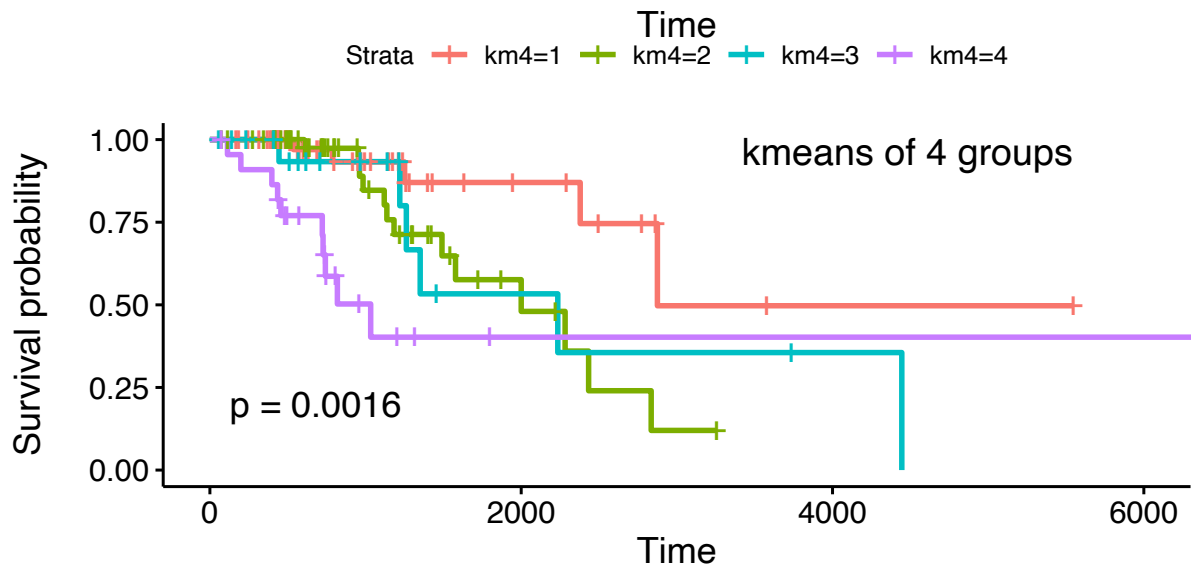
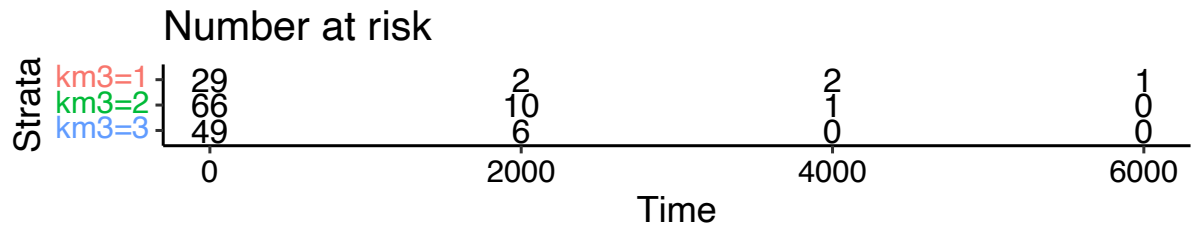
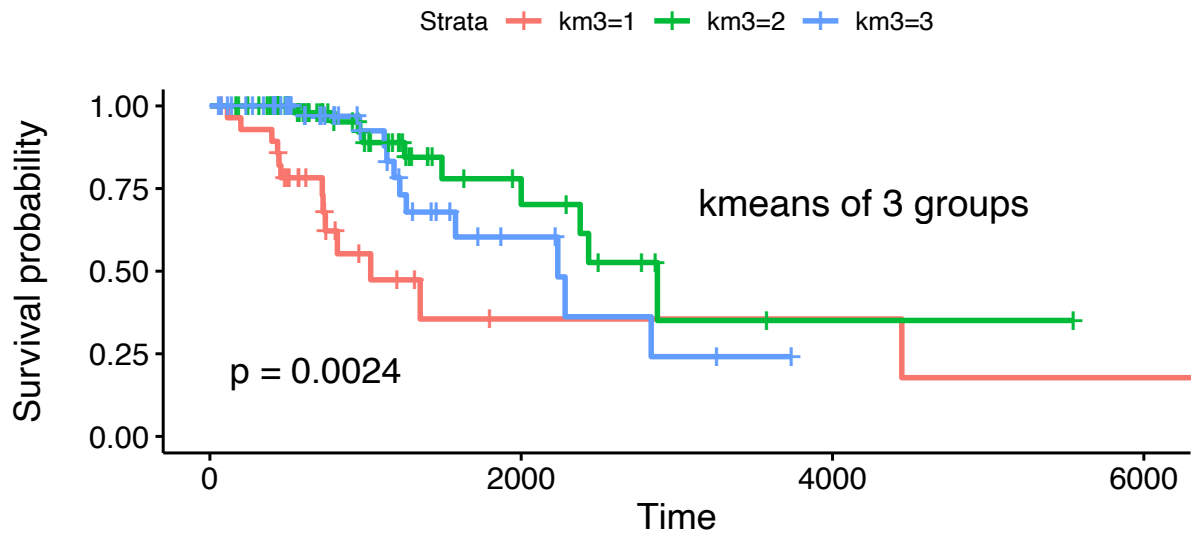
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## Warning: package 'ggpubr' was built under R version 3.6.2
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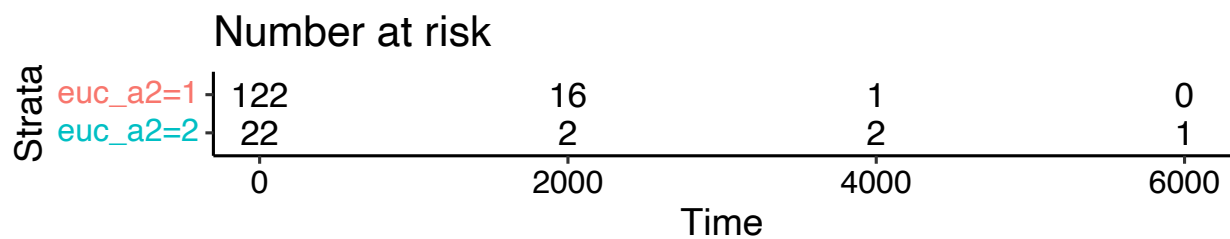
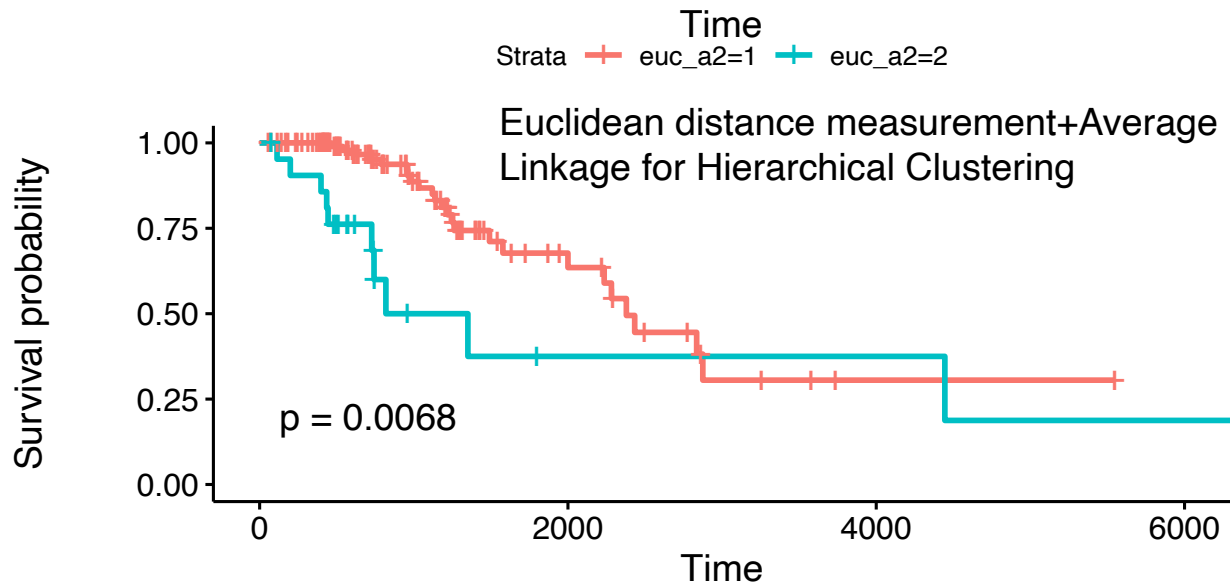
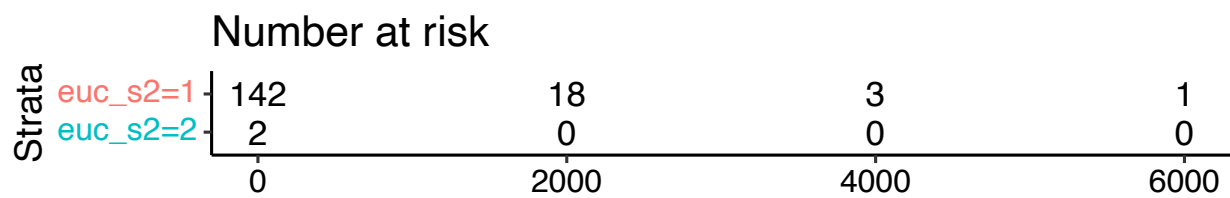
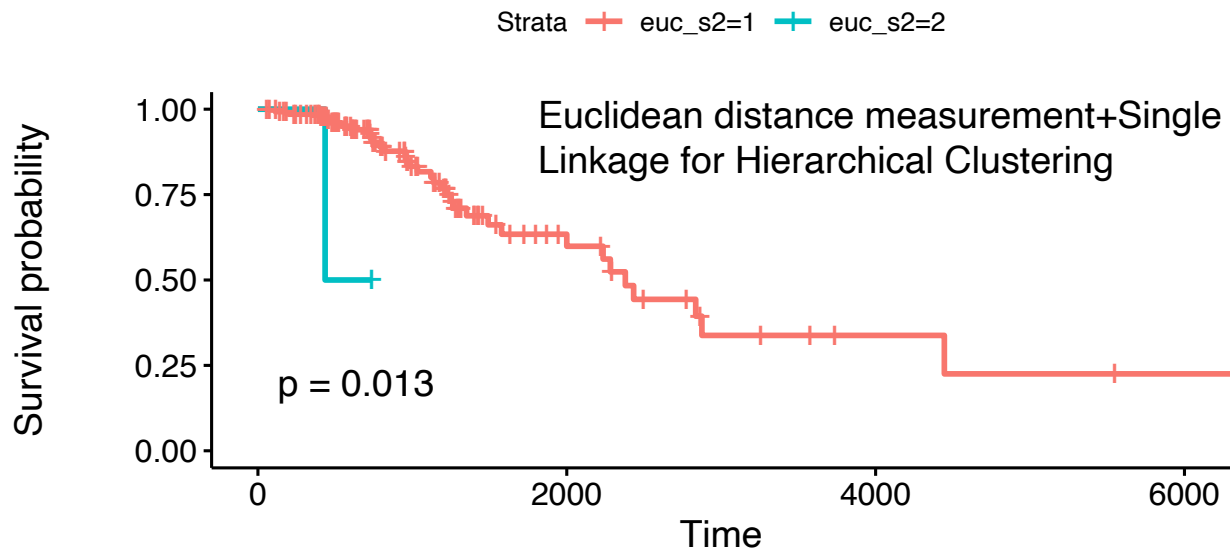
## 3. Fit the results of Kmeans

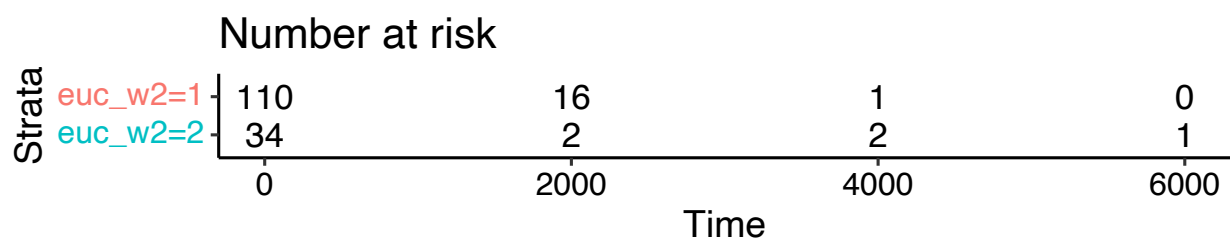
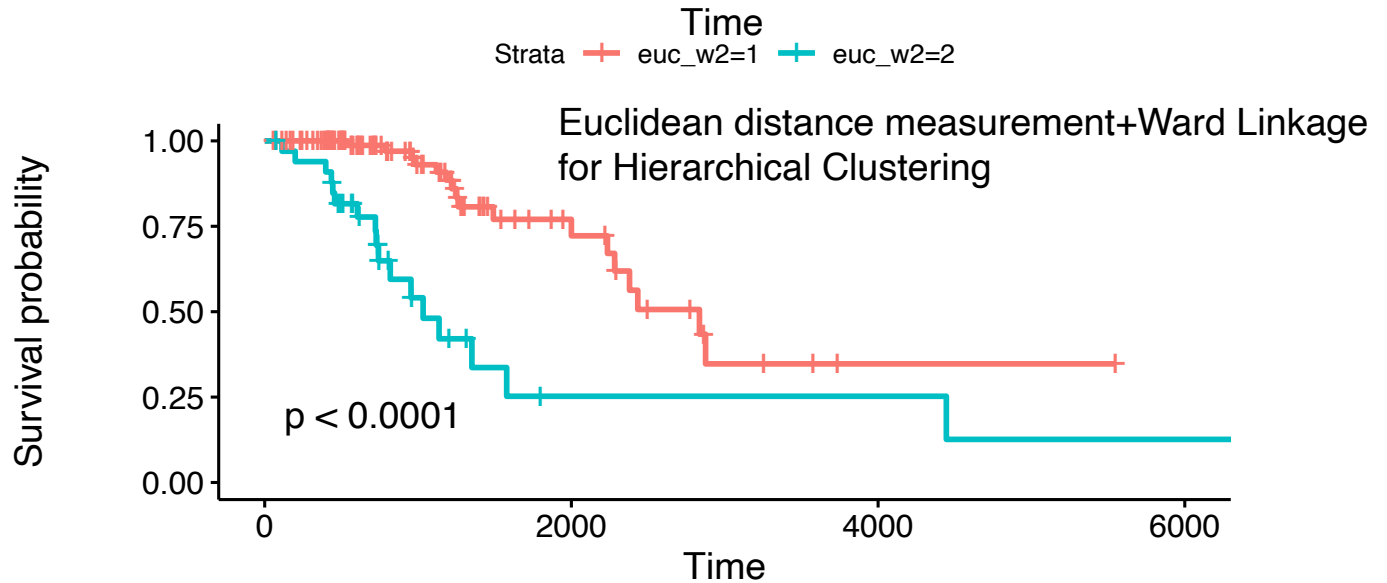
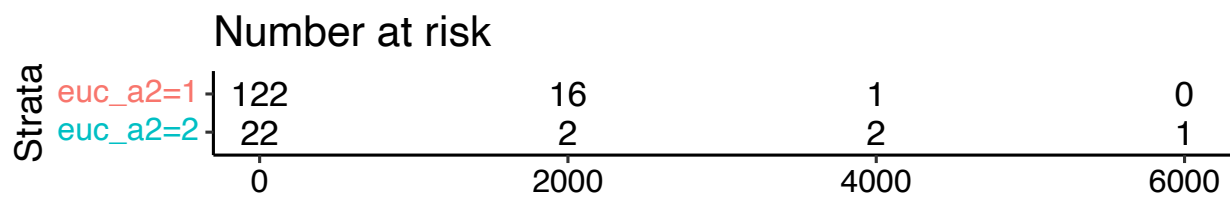
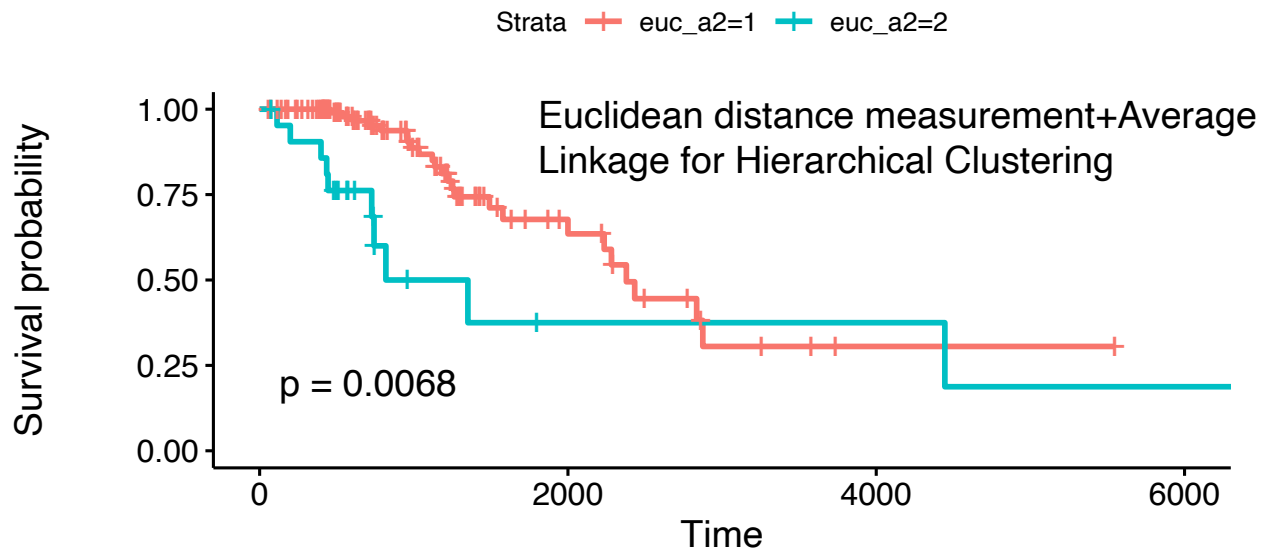
Kmeans of 2 groups

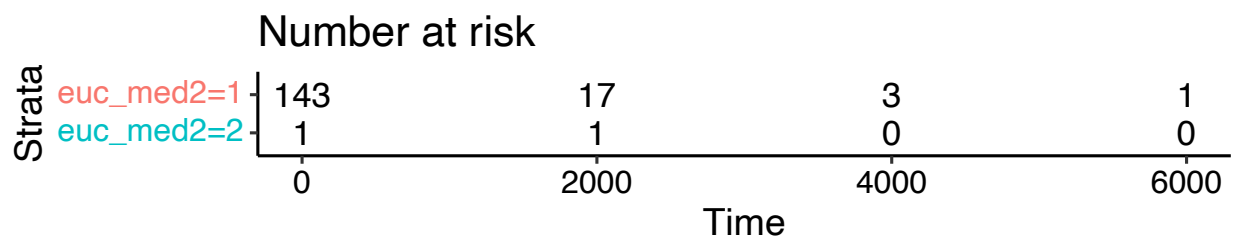
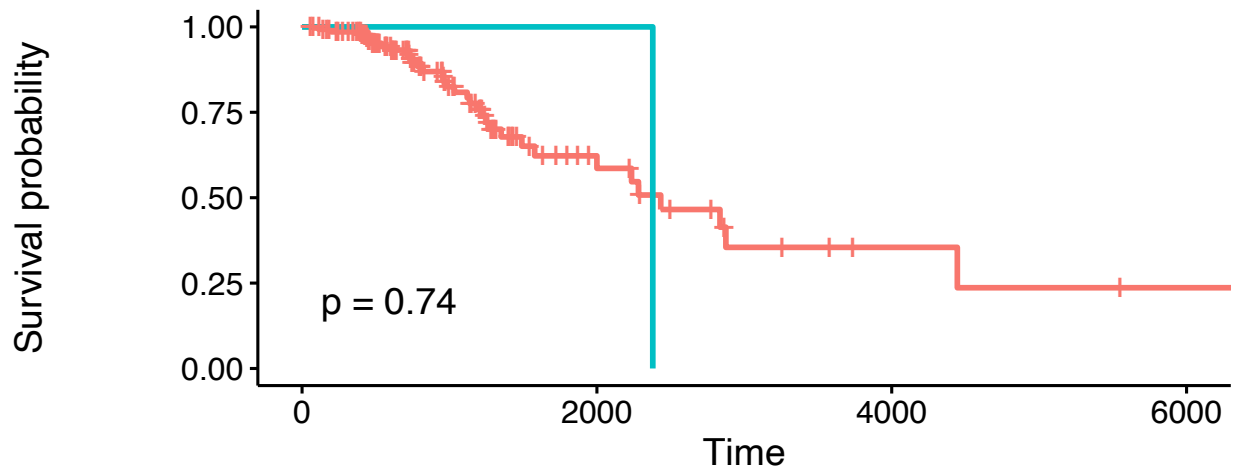
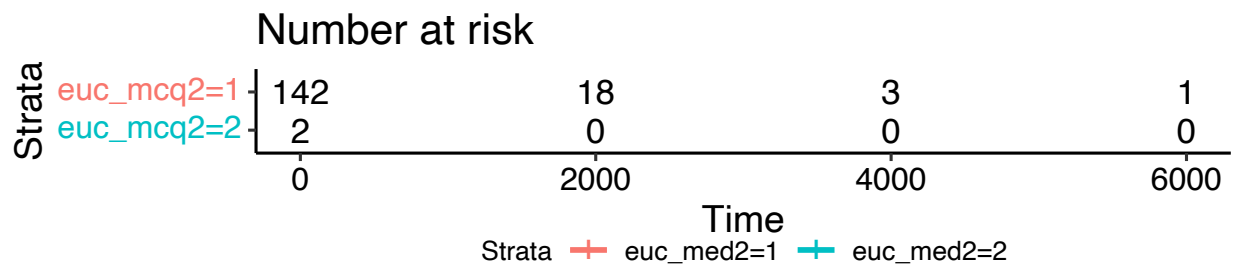
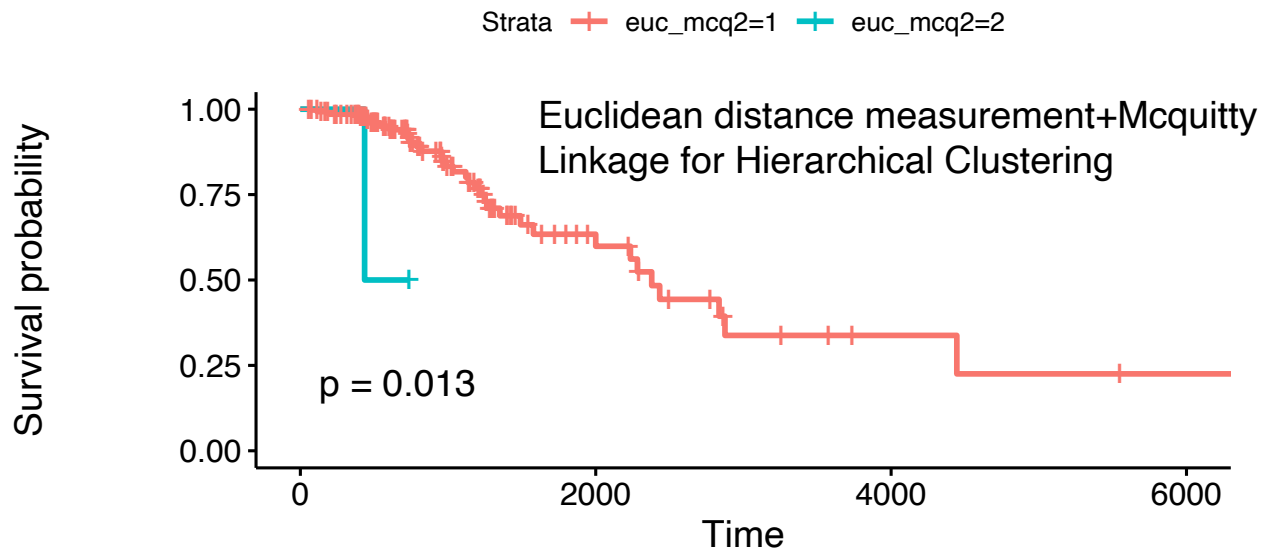


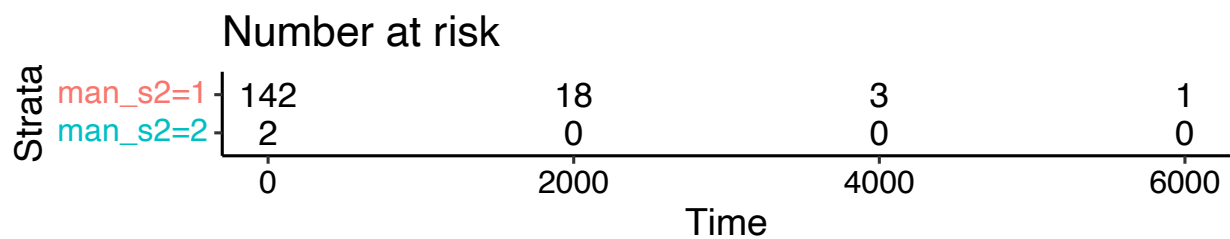
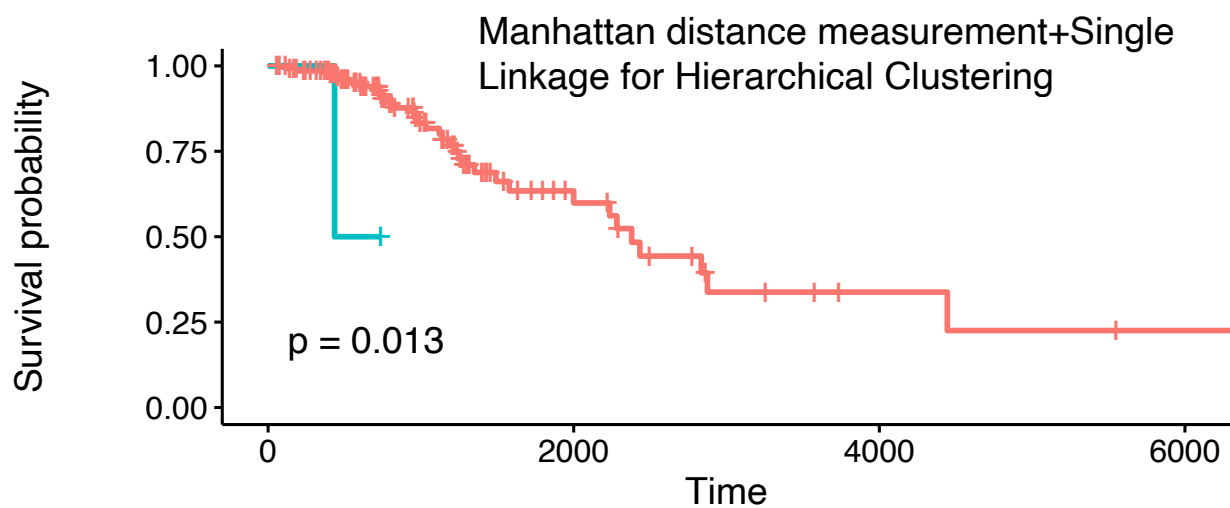
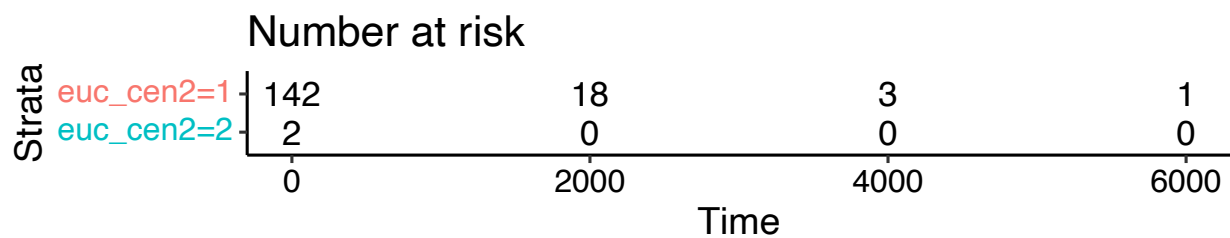
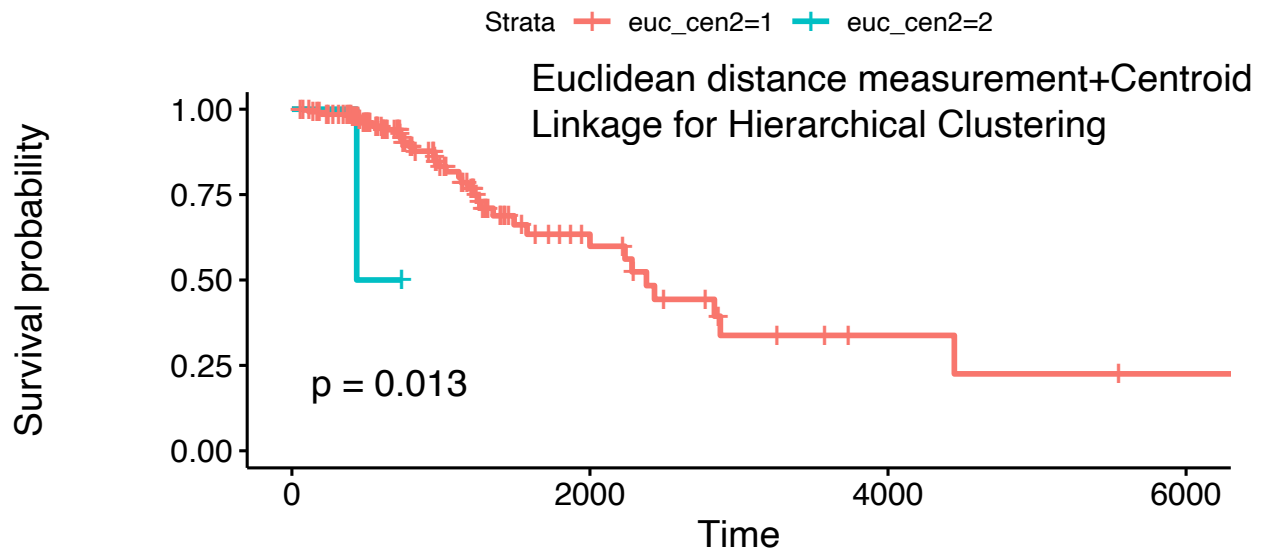
#### 4. Hierarchical Clustering

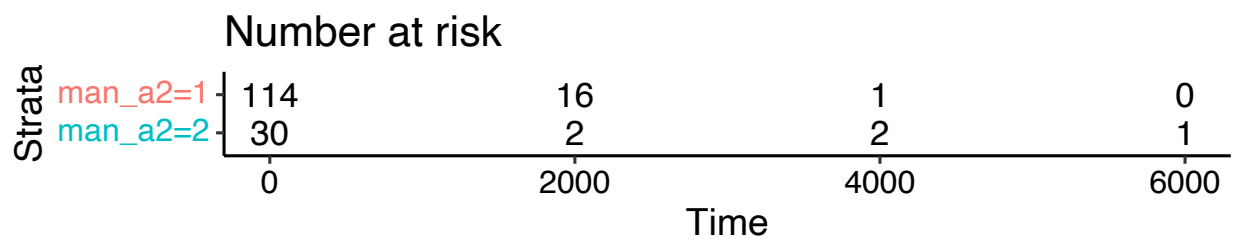
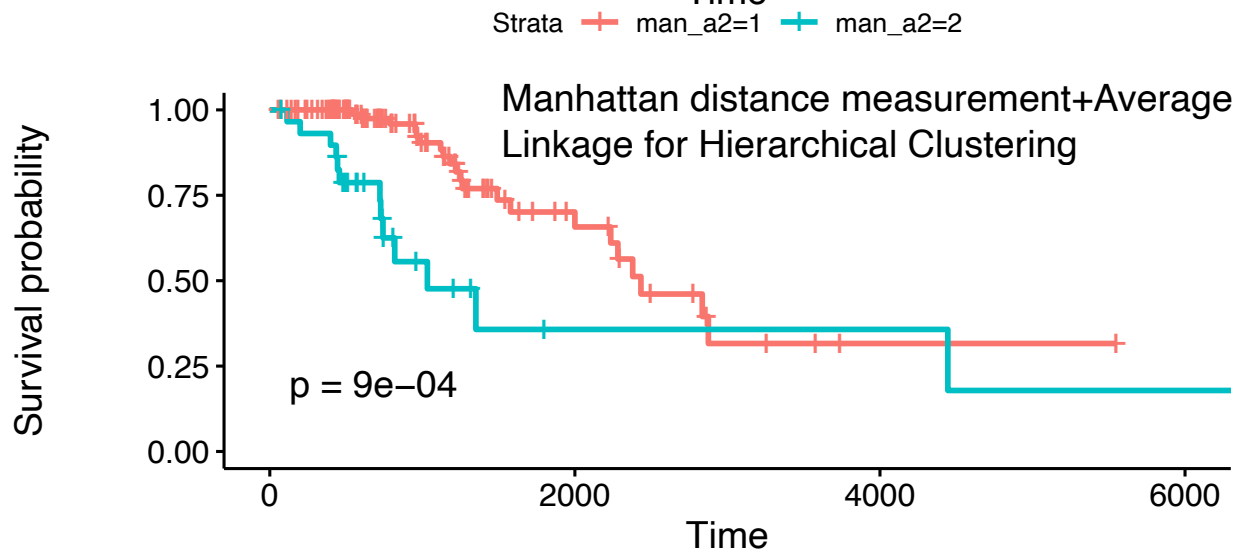
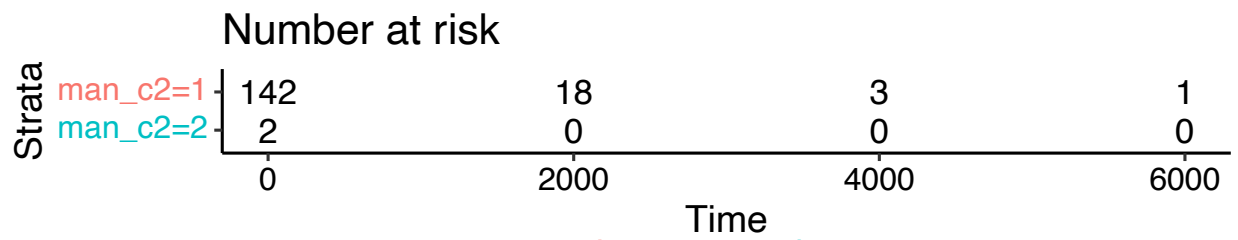
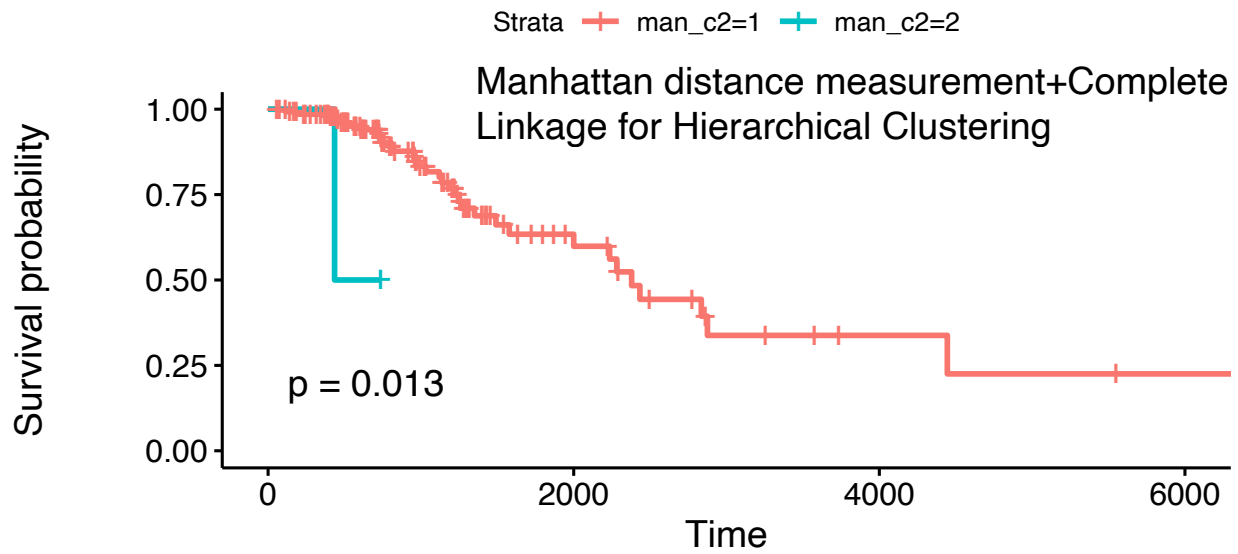
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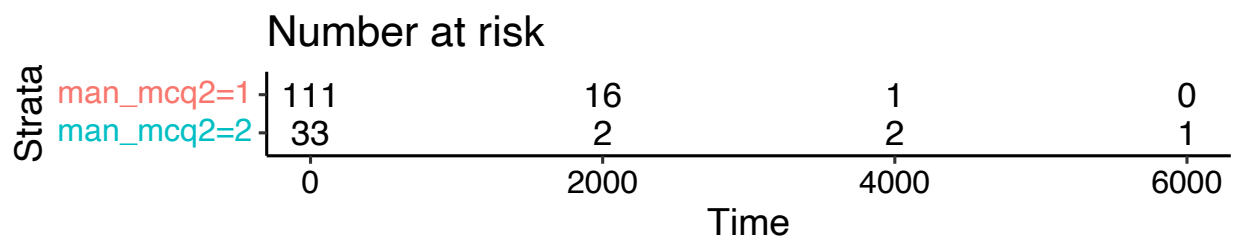
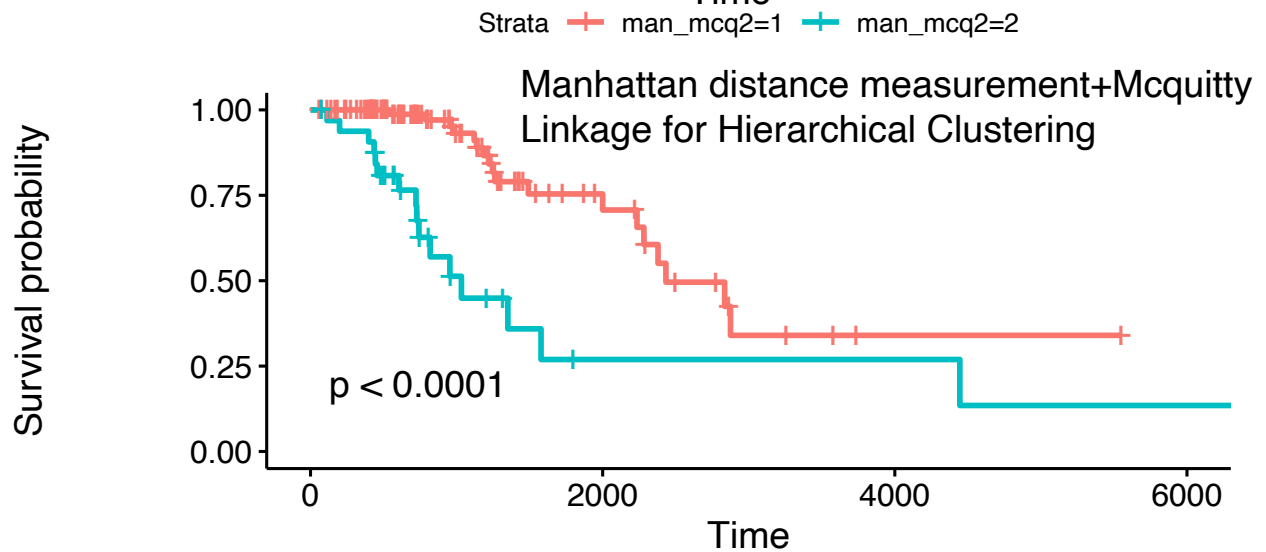
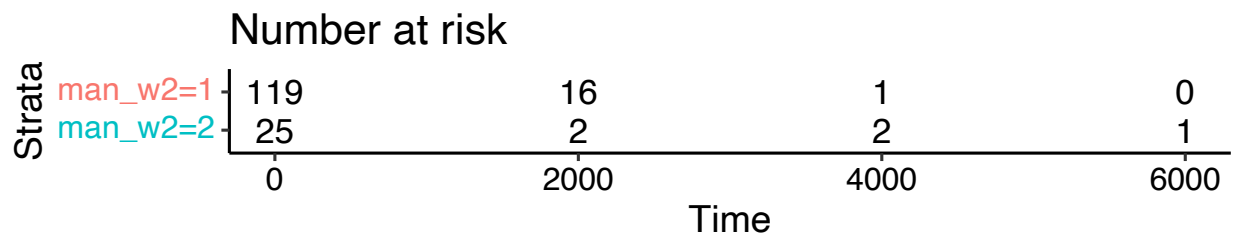
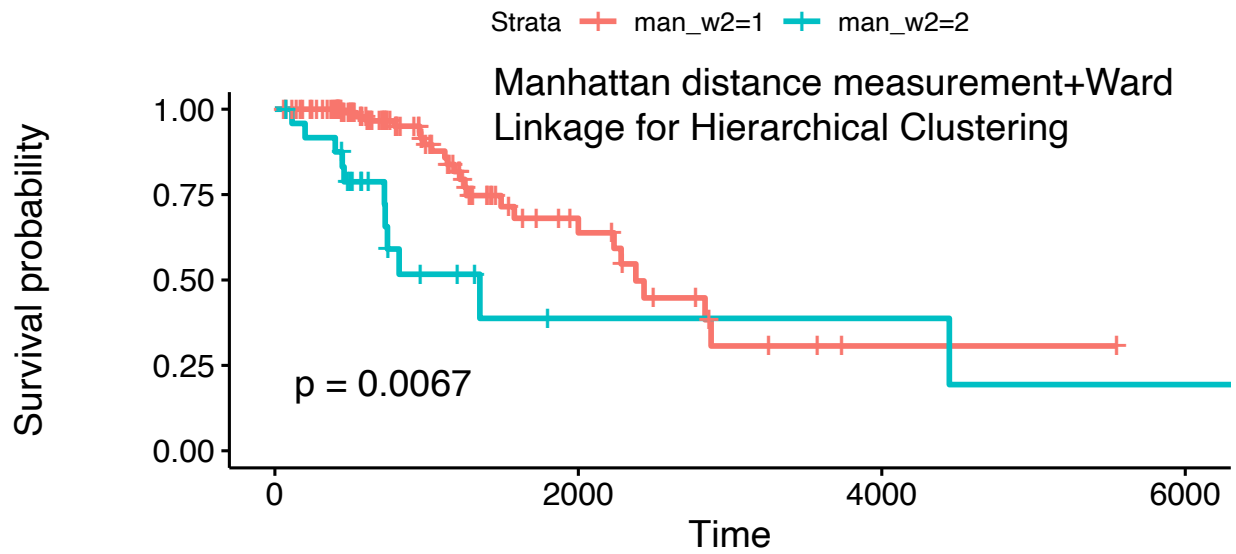




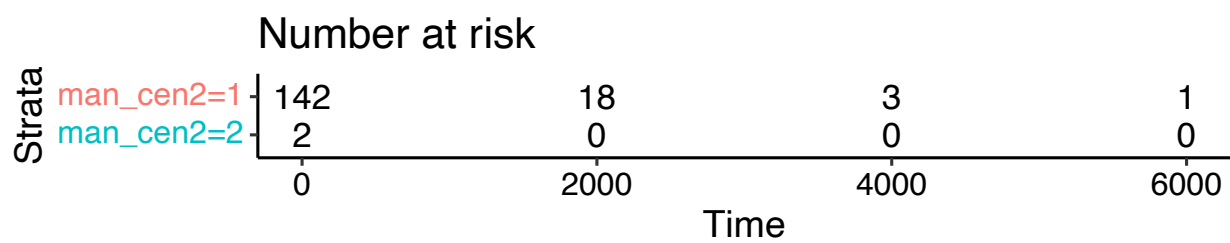
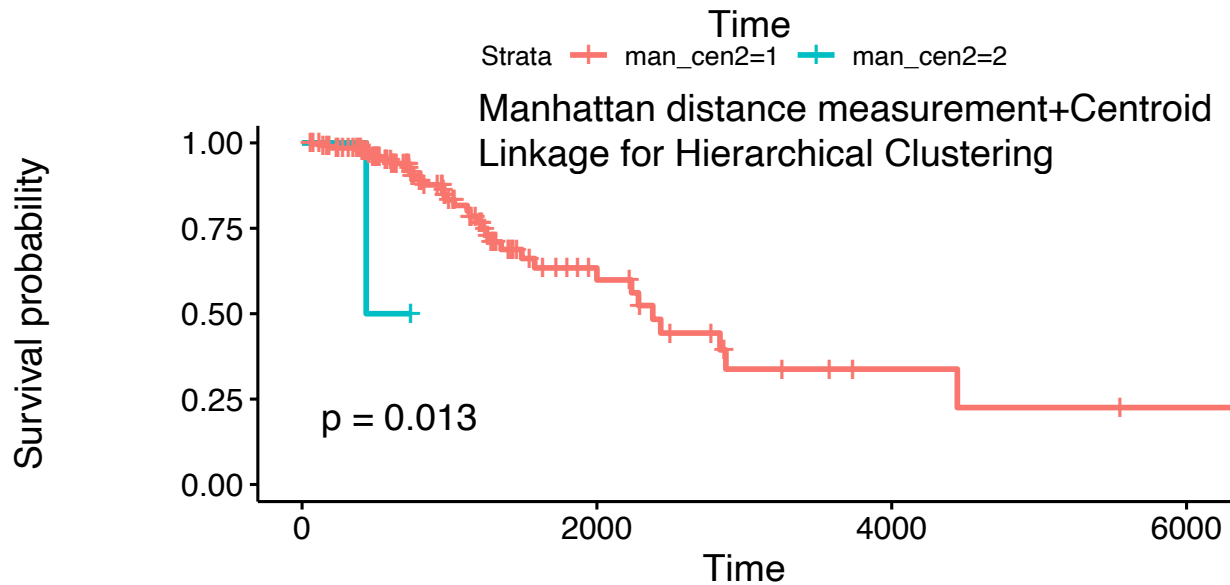
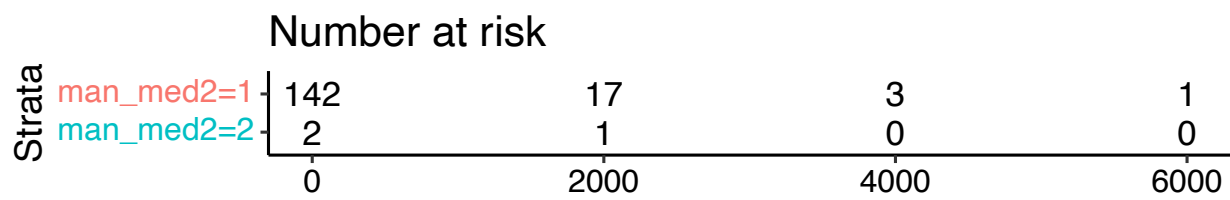
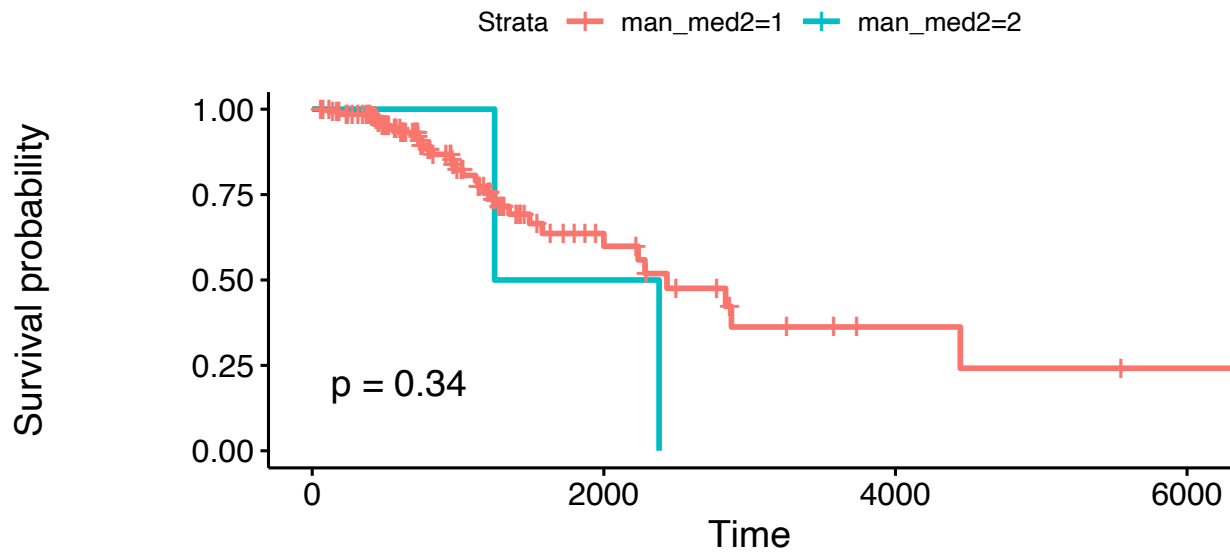


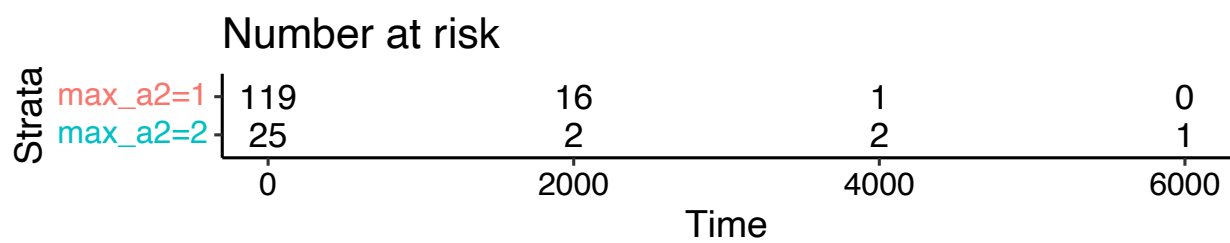
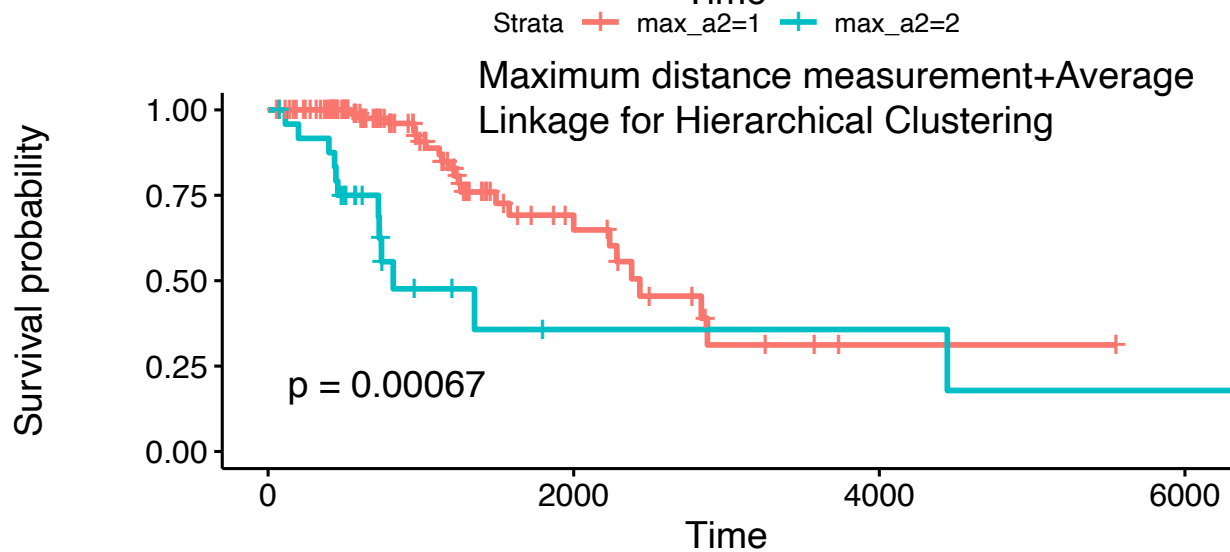
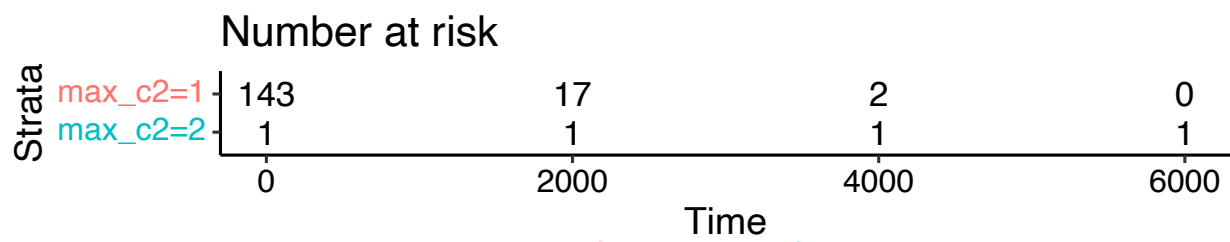
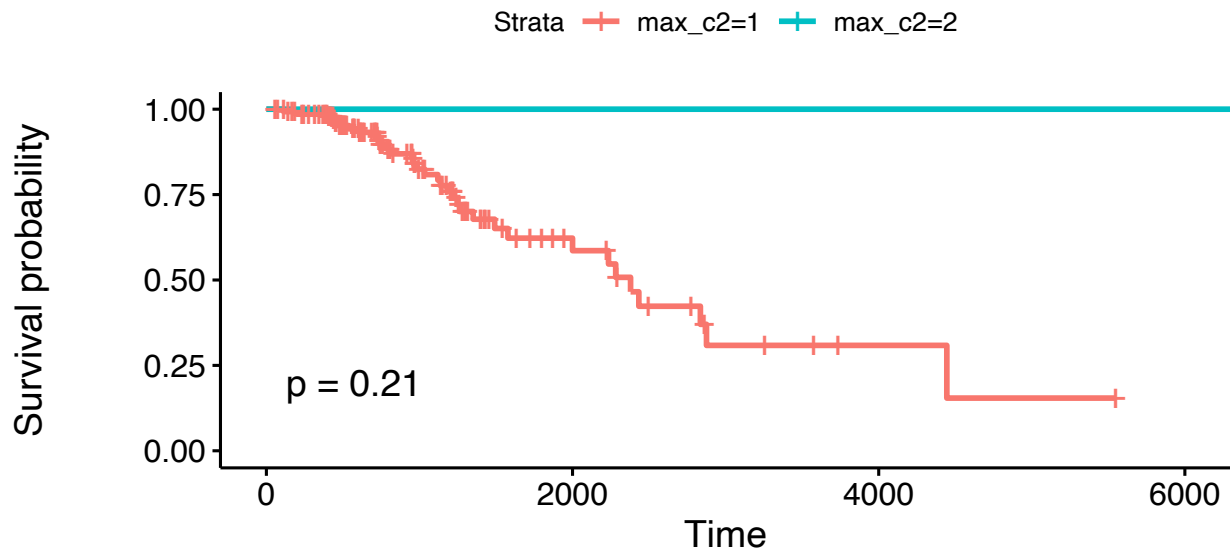


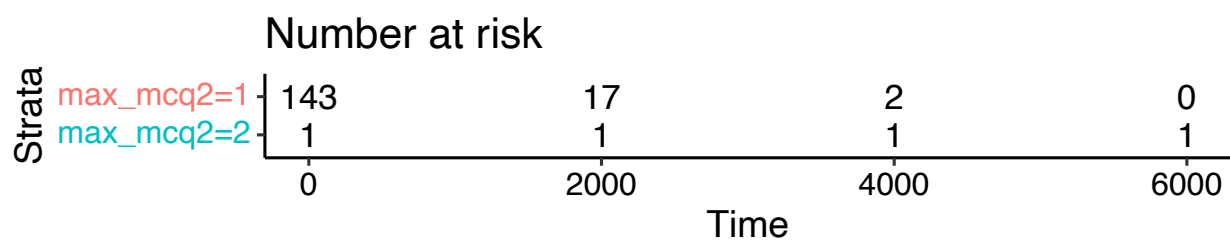
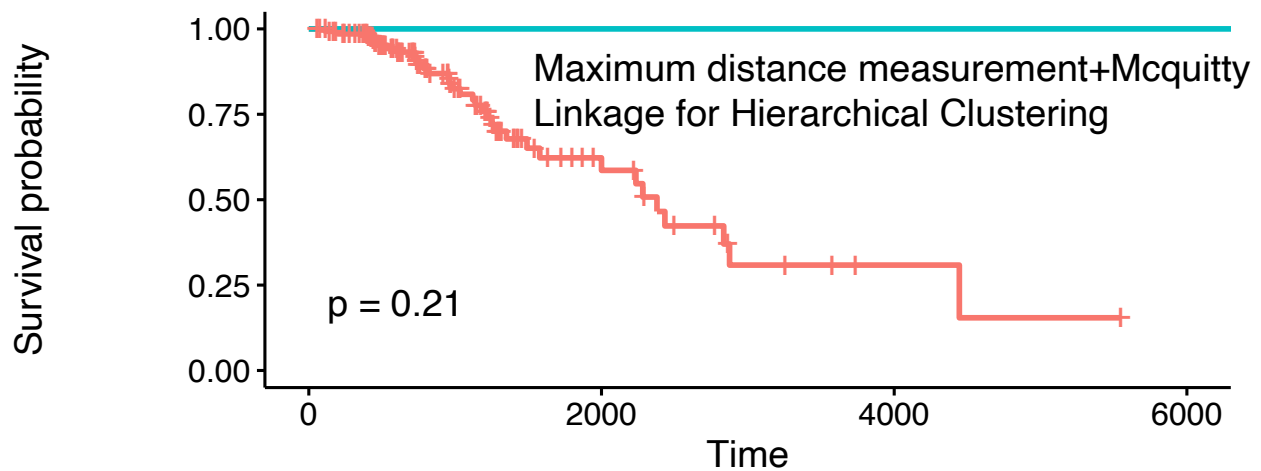
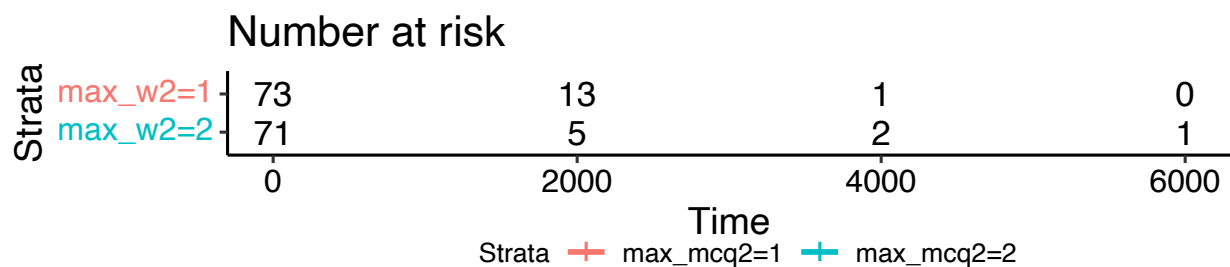
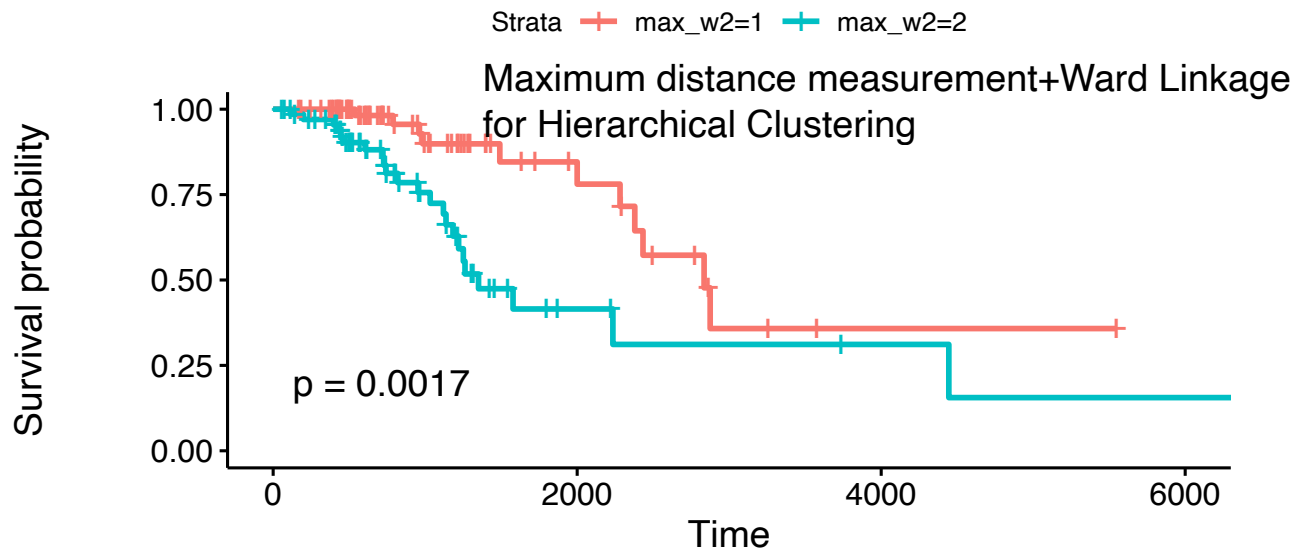




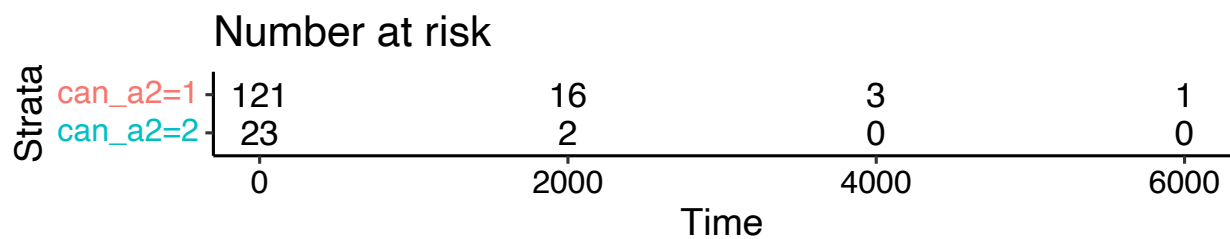
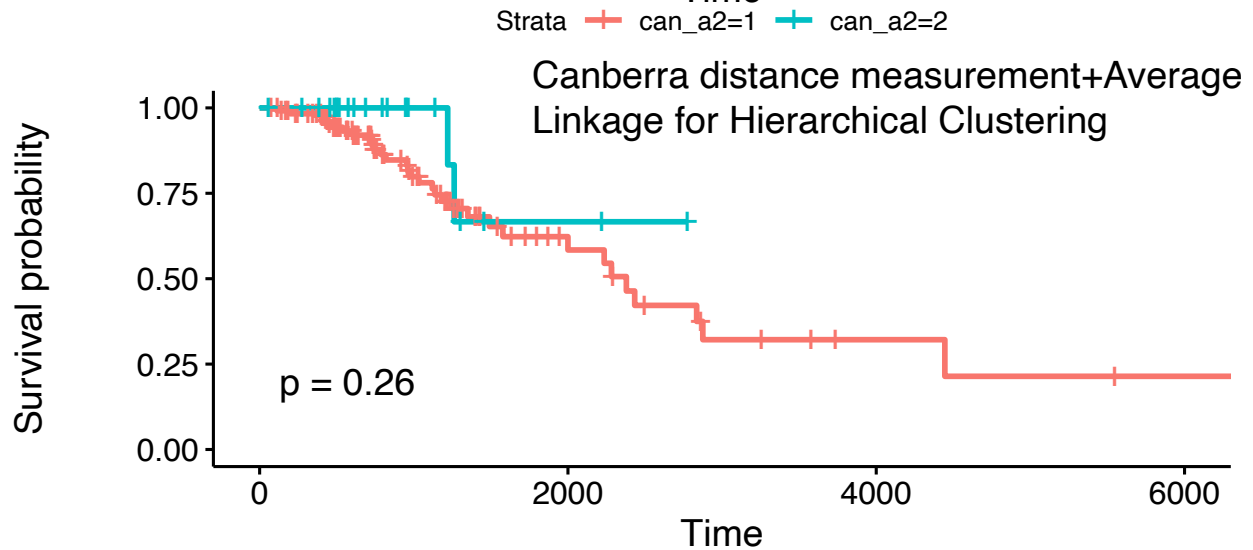
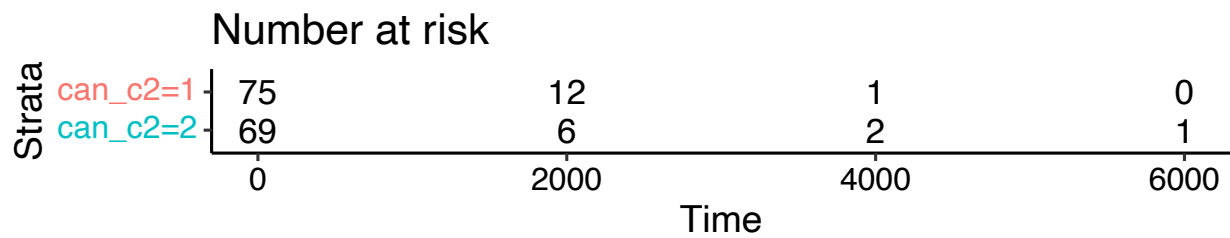
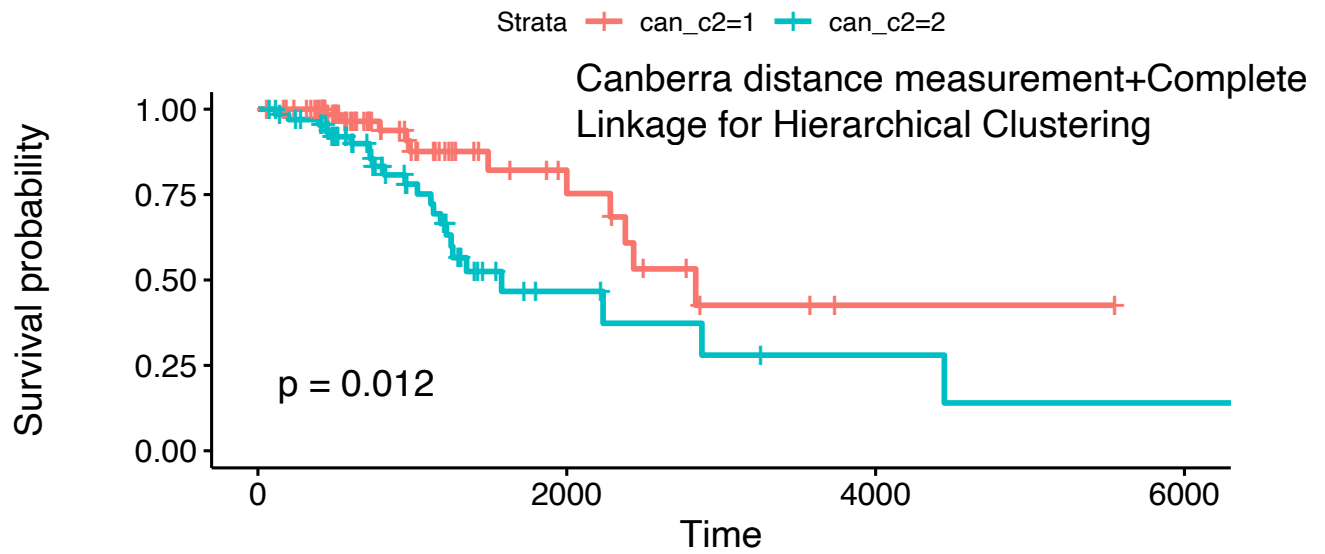


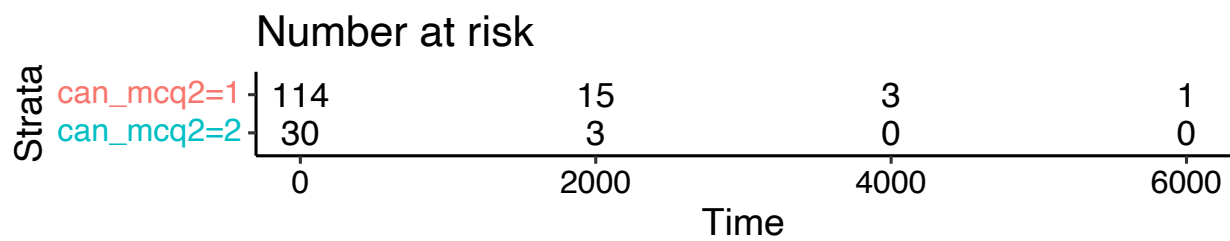
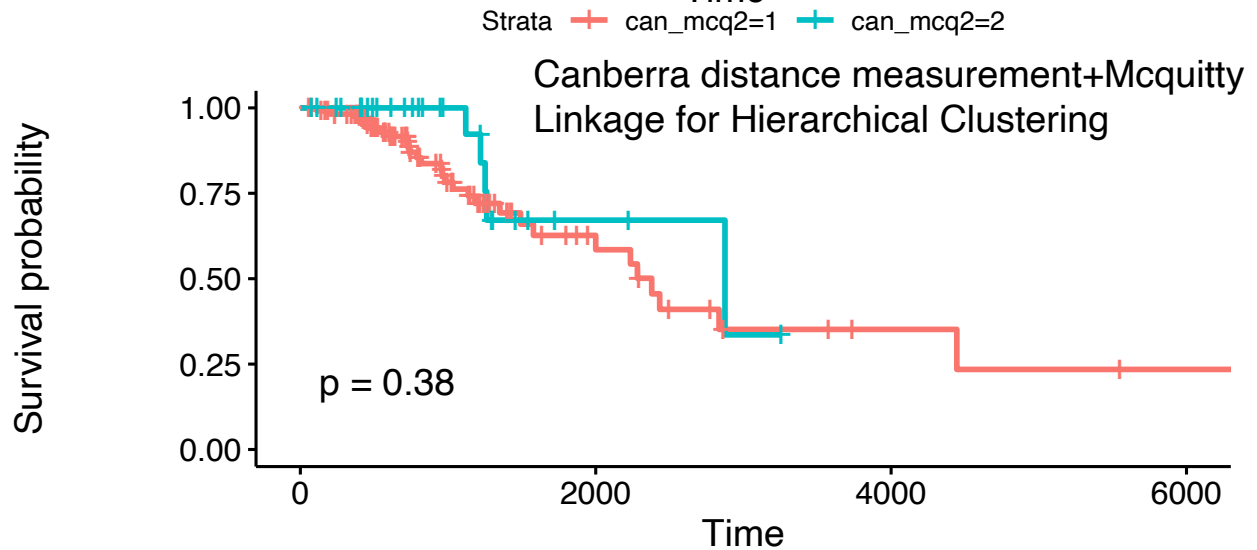
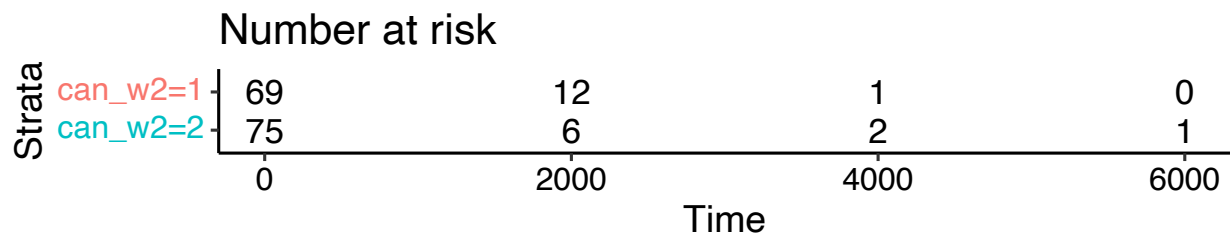
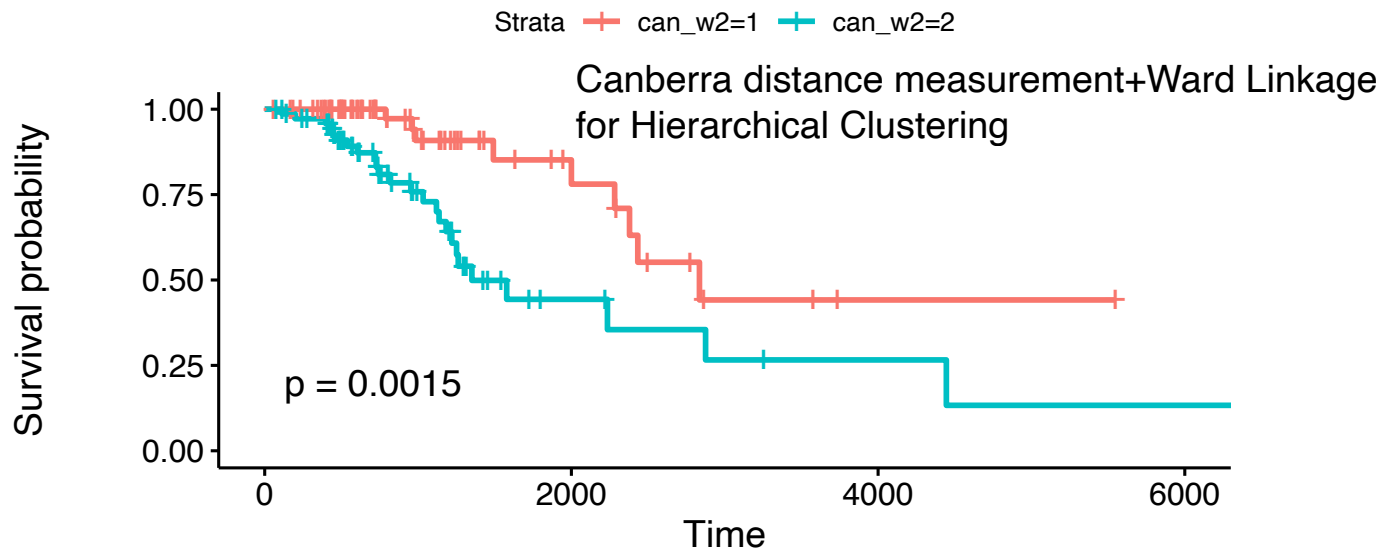


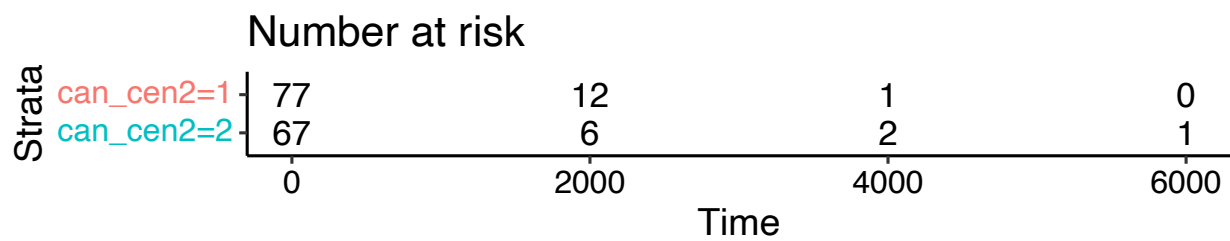
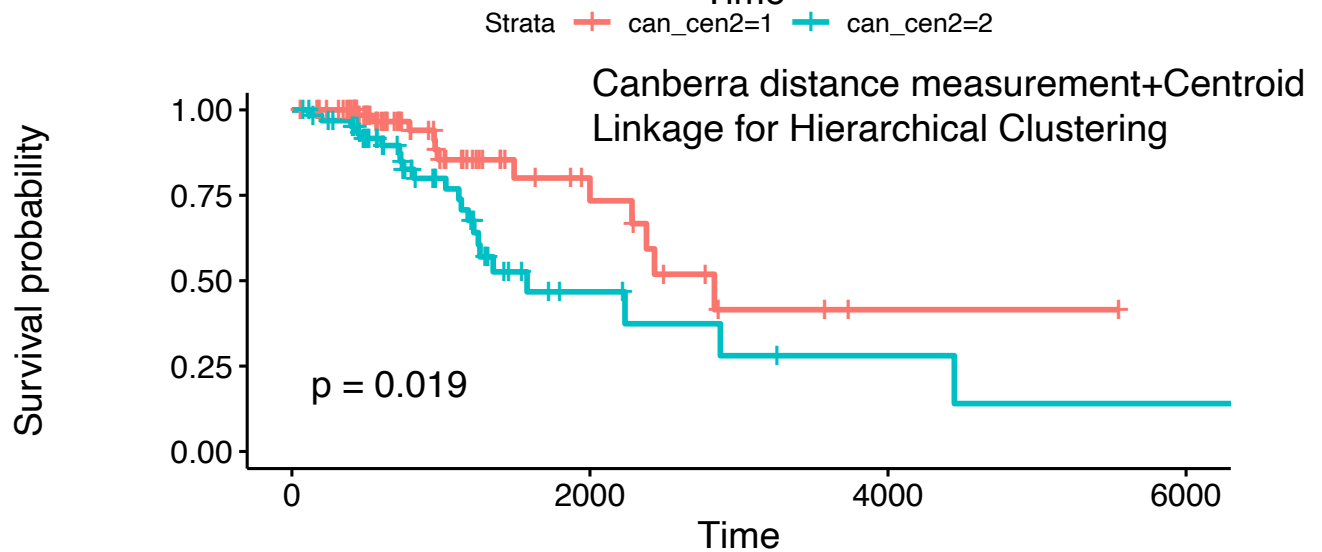
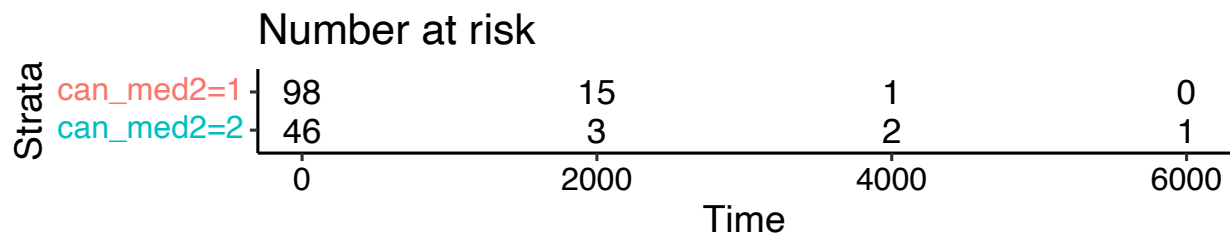
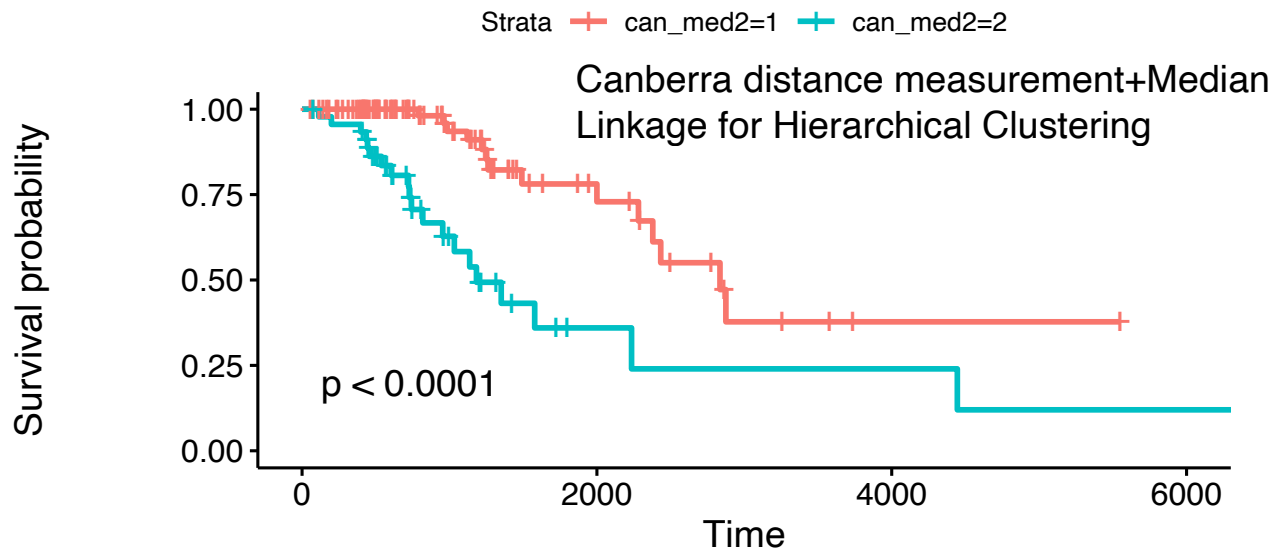


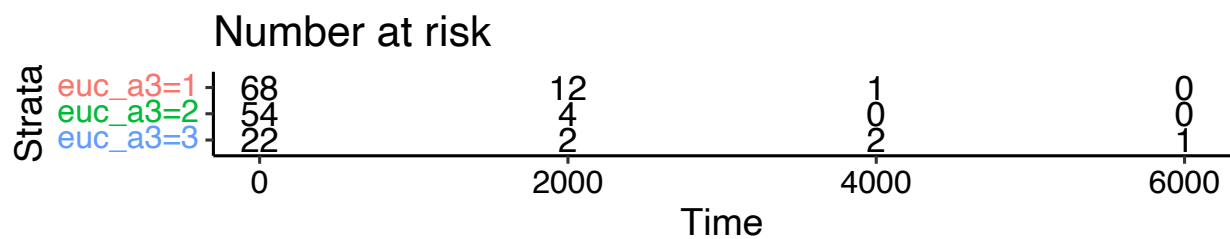
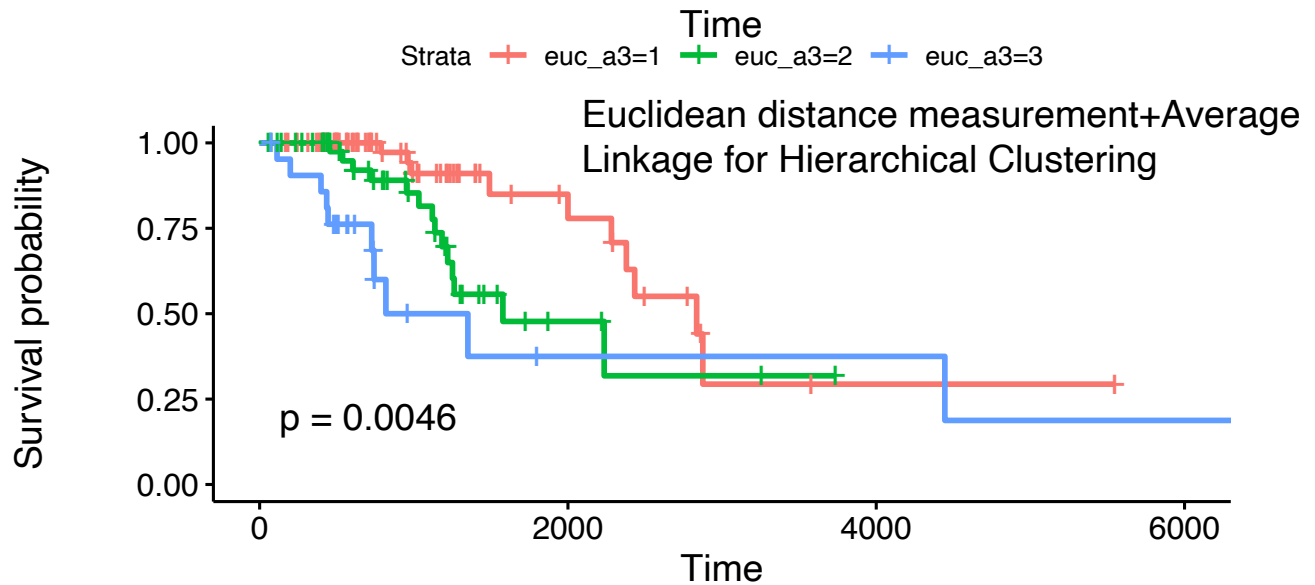
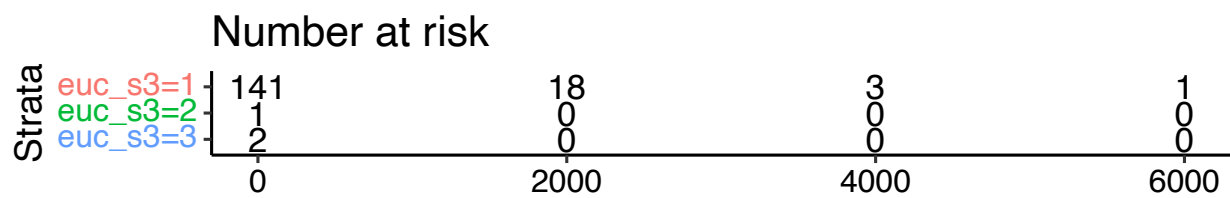
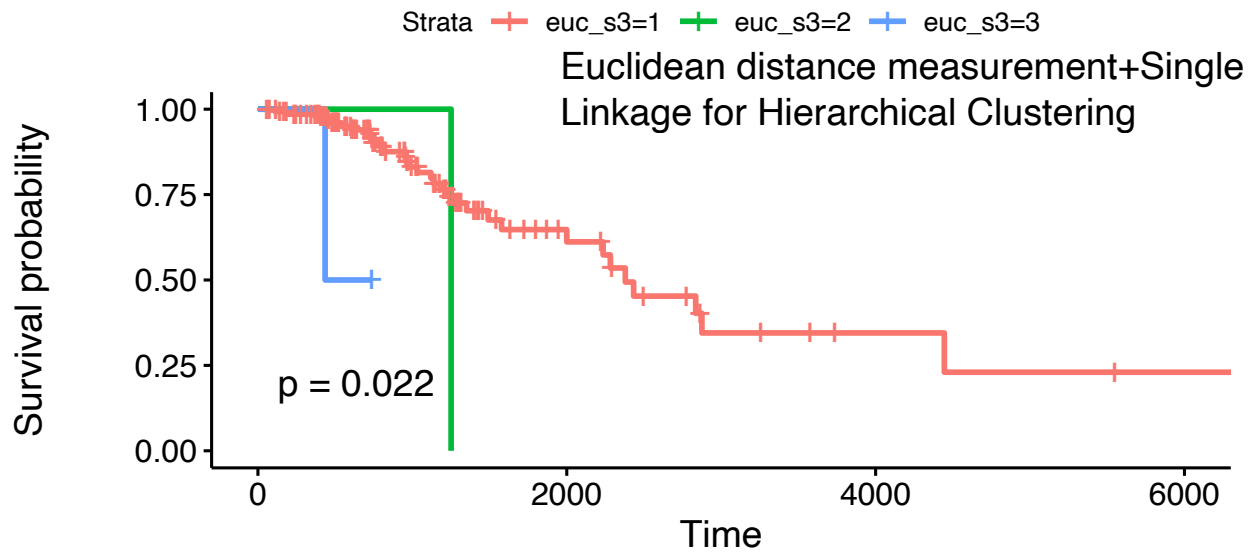


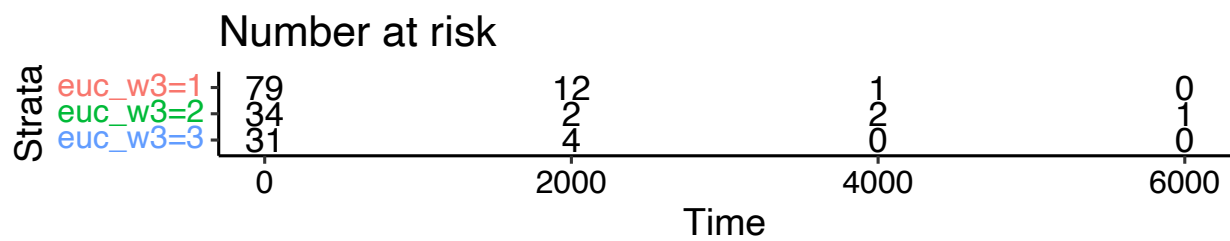
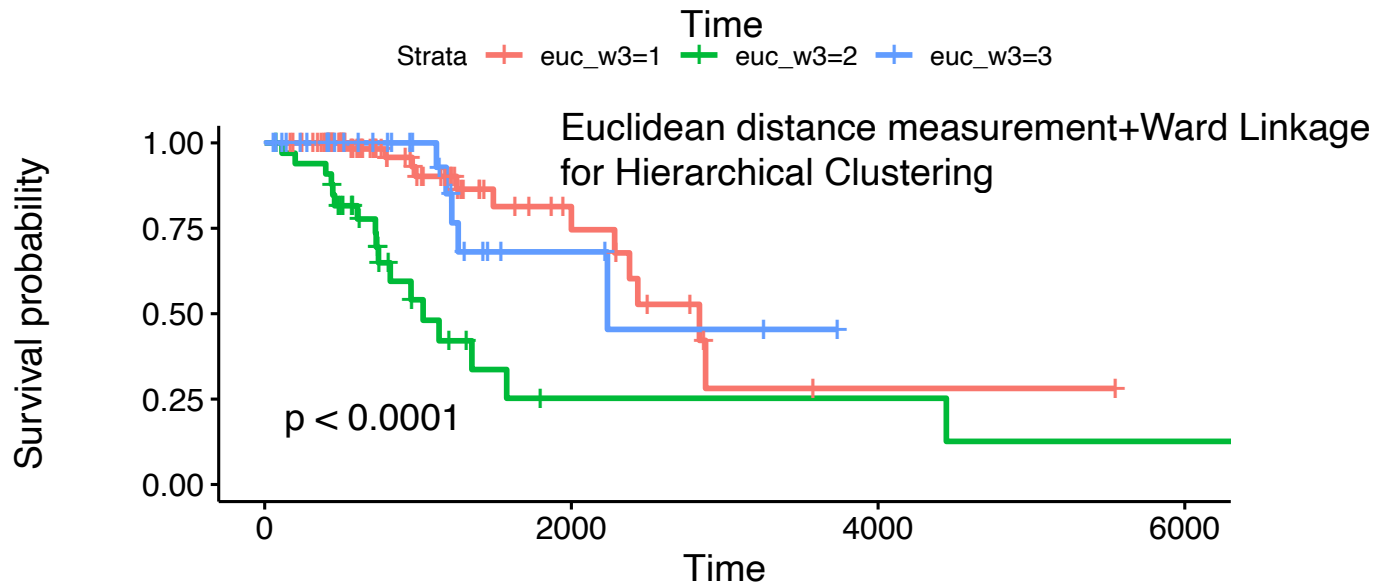
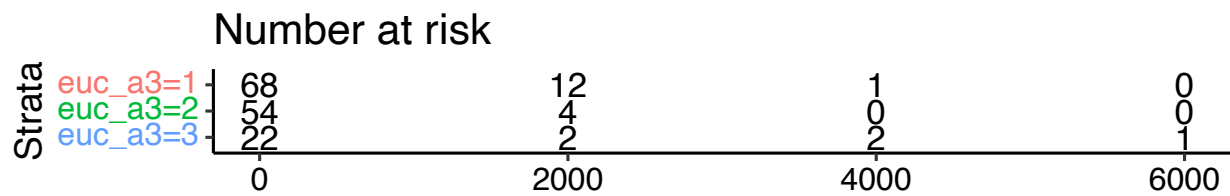
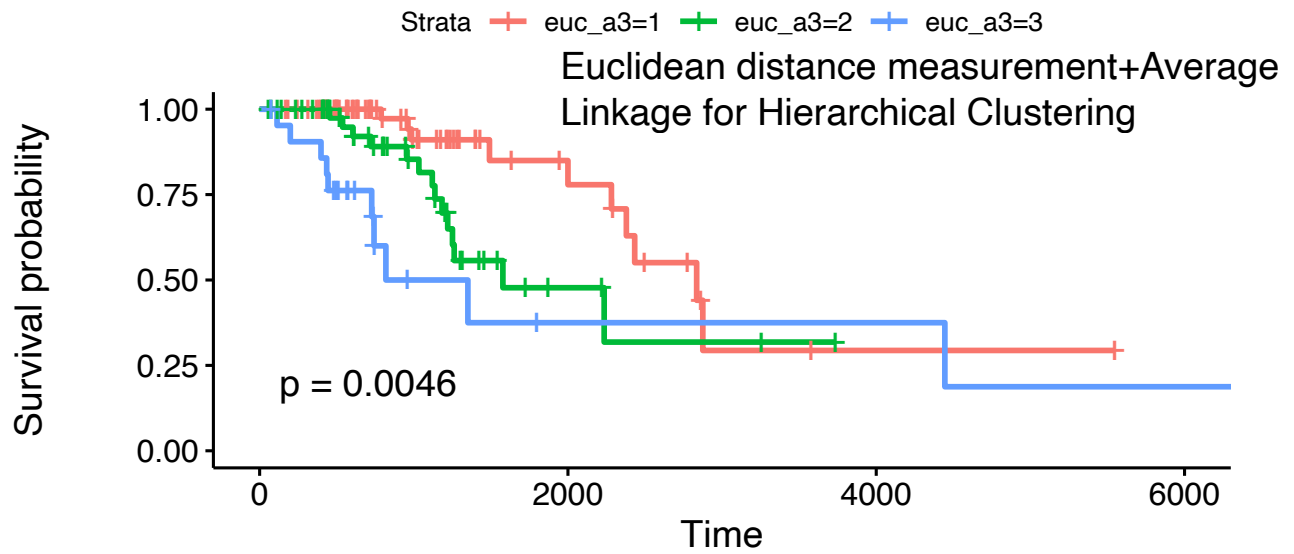
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## This is a null model.
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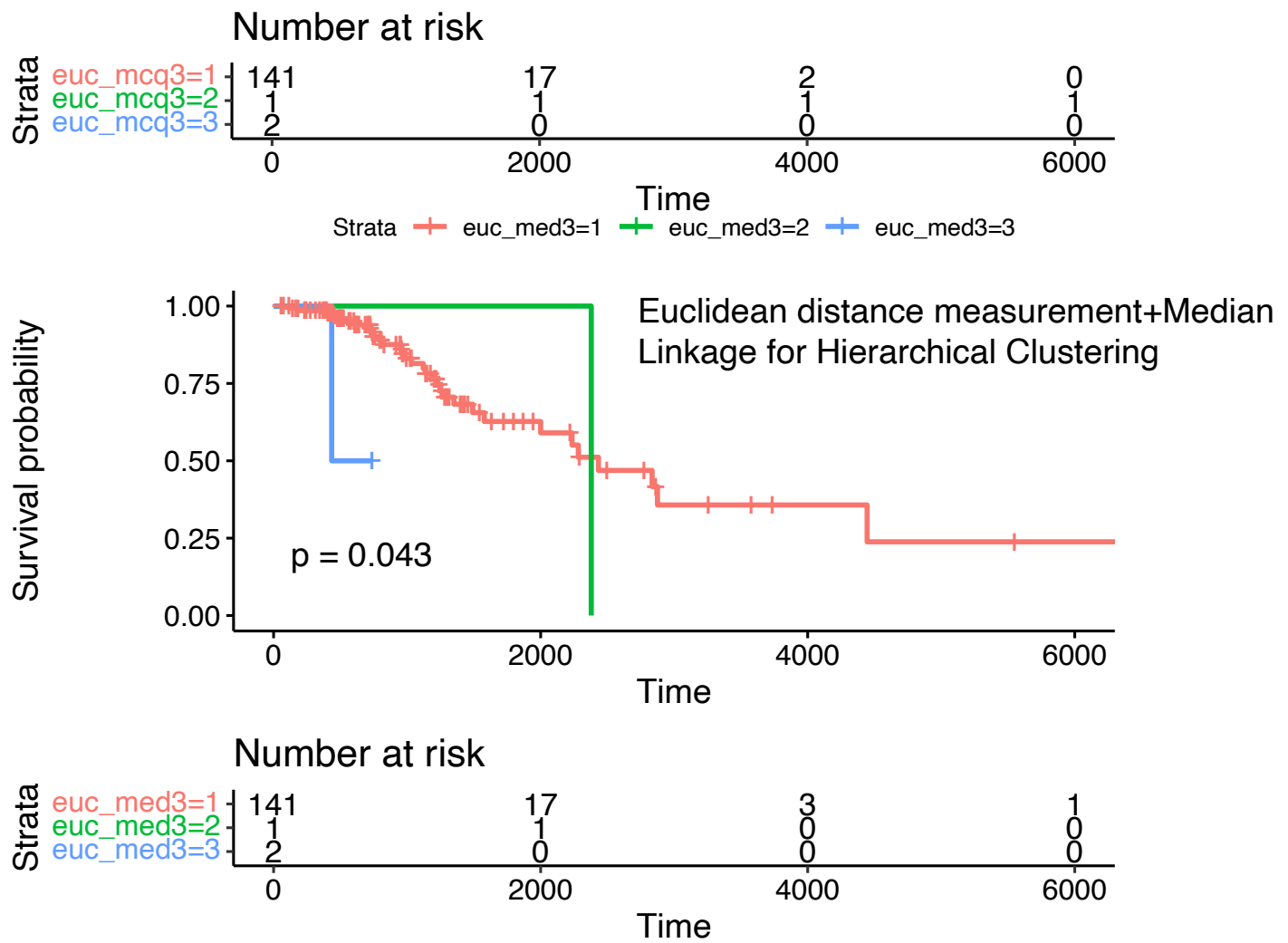
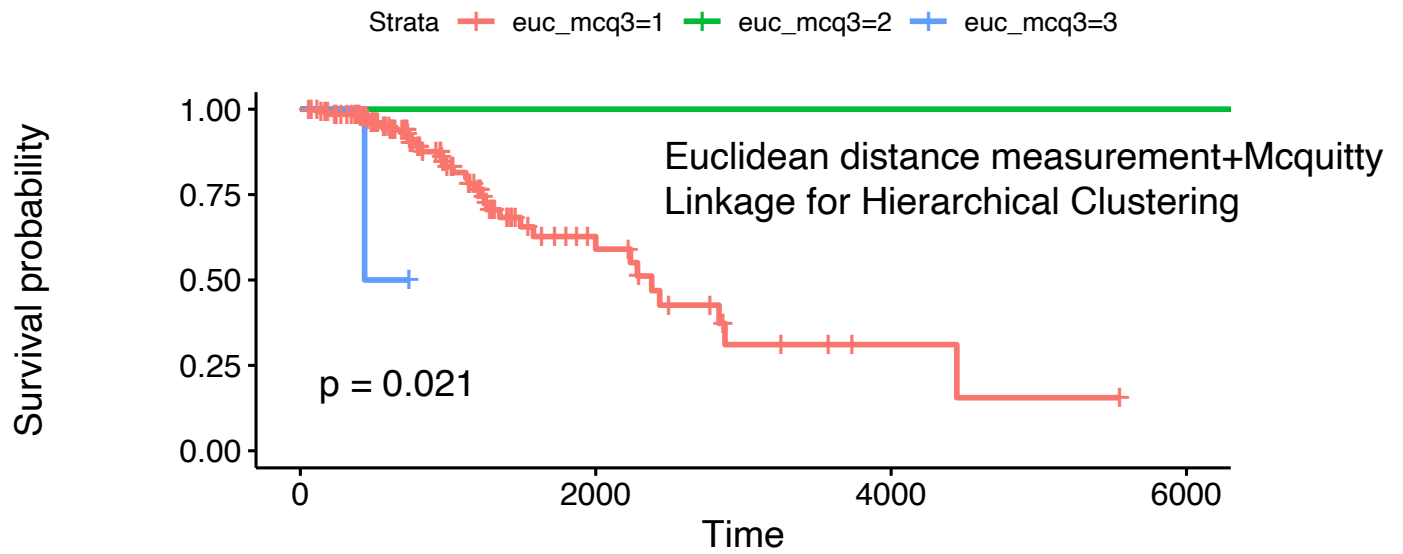


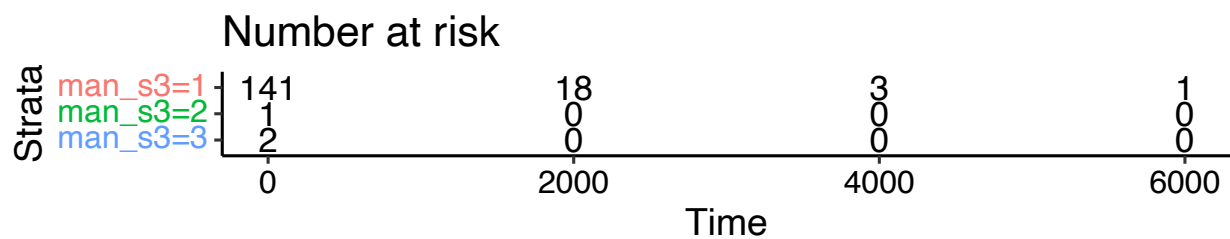
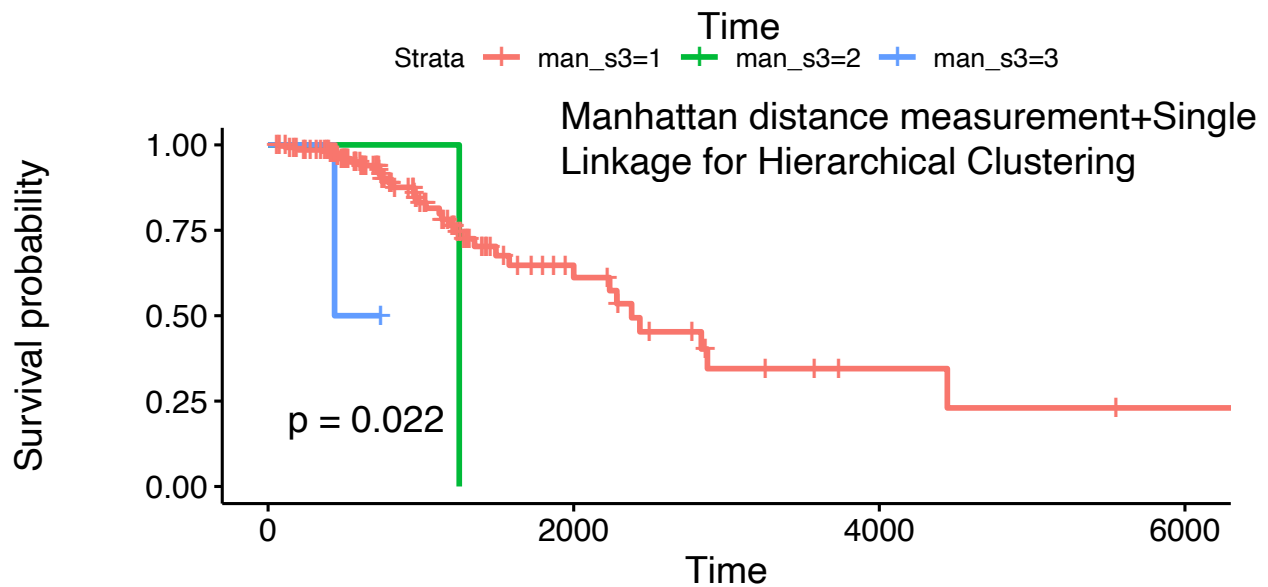
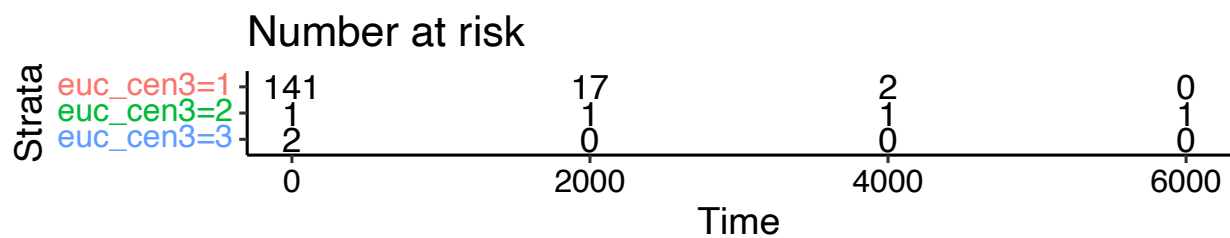
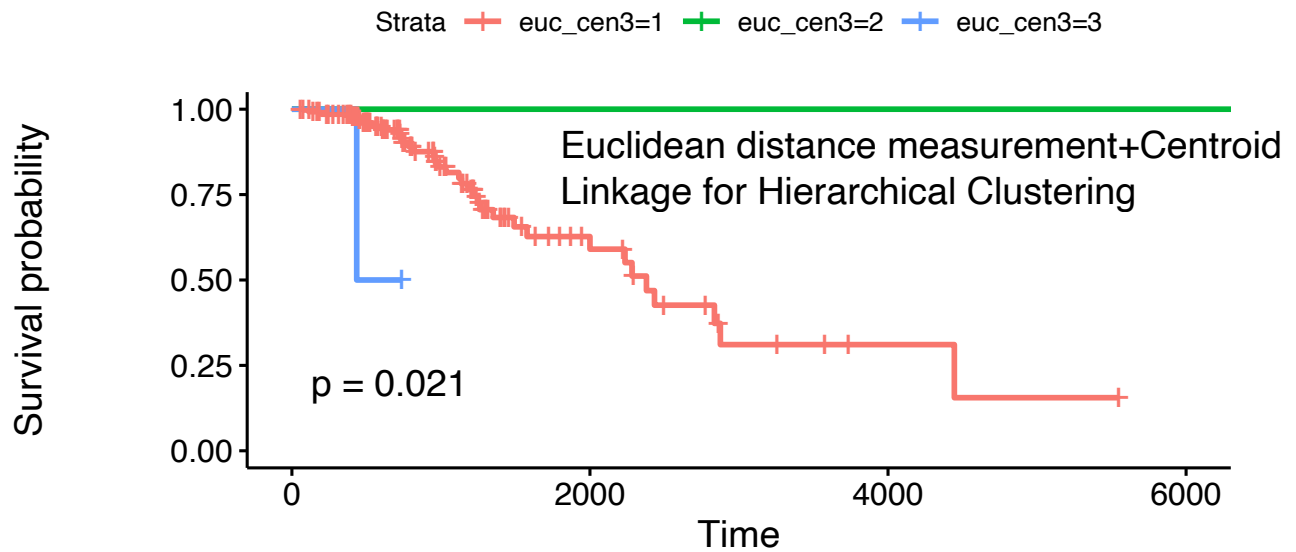


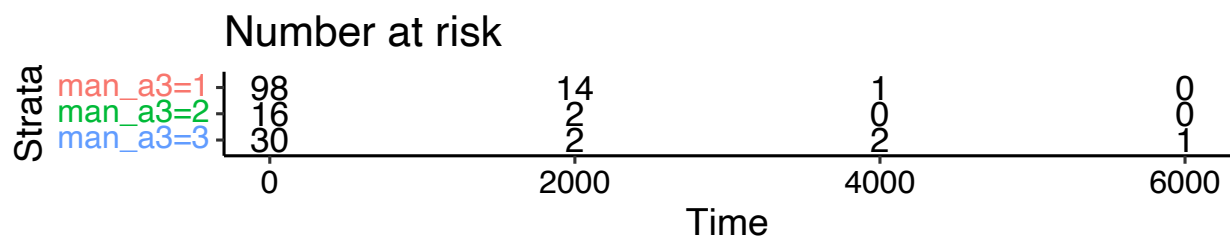
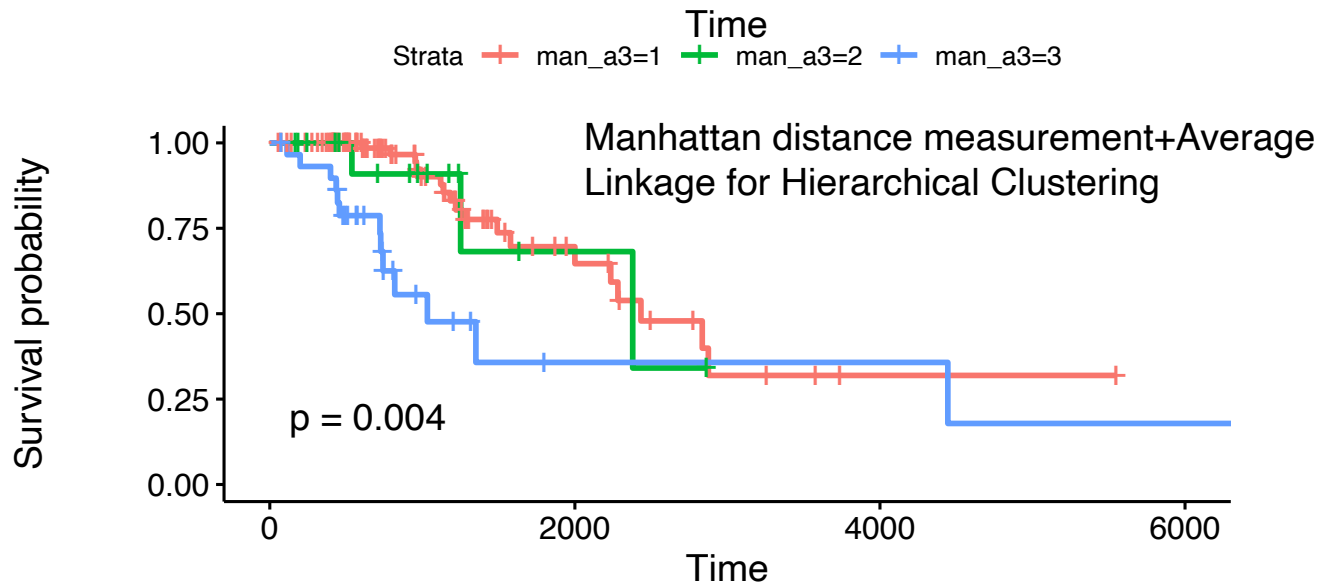
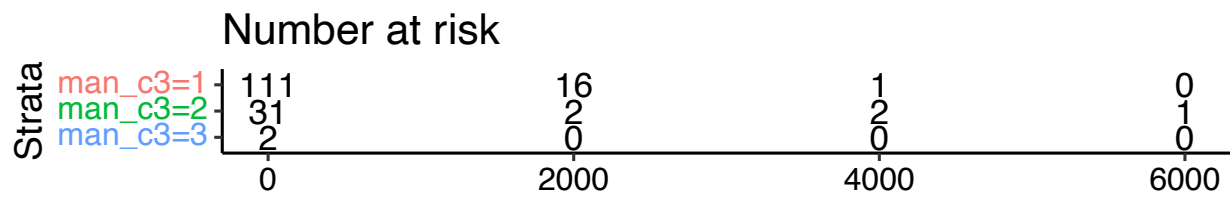
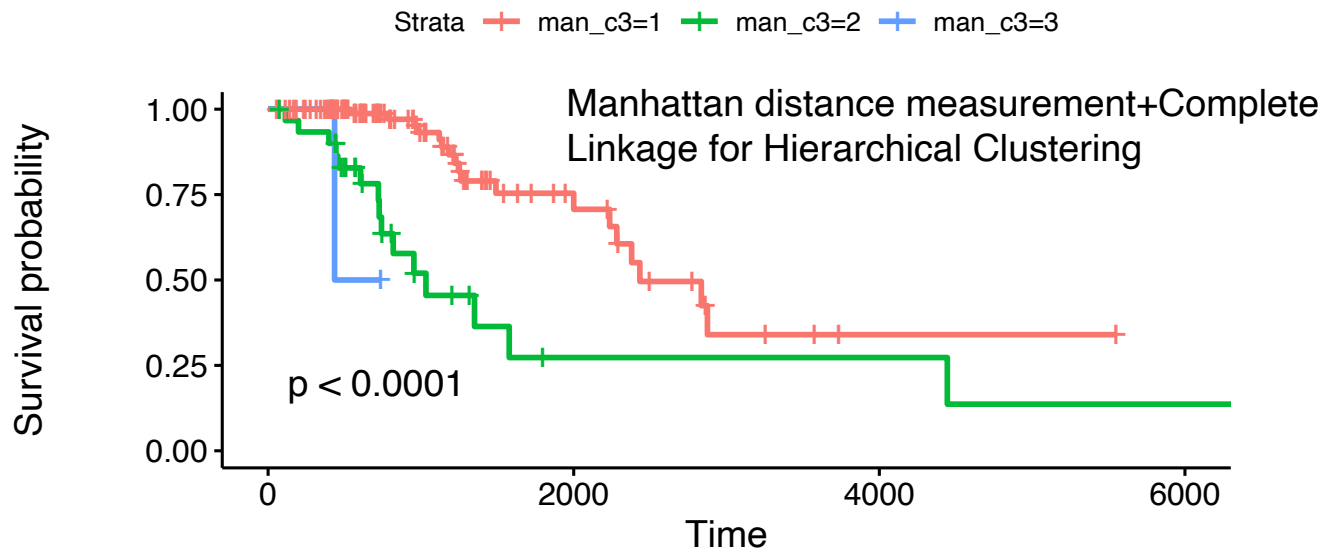


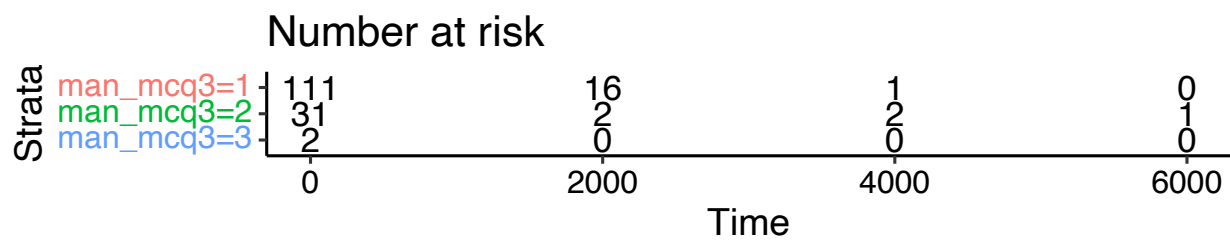
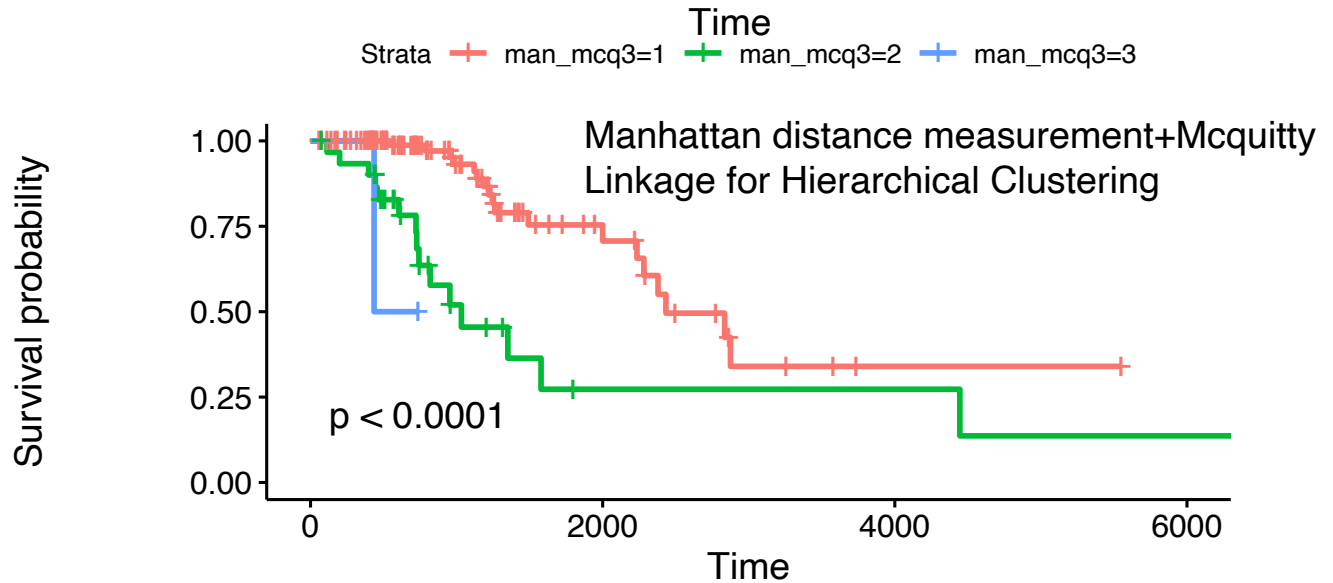
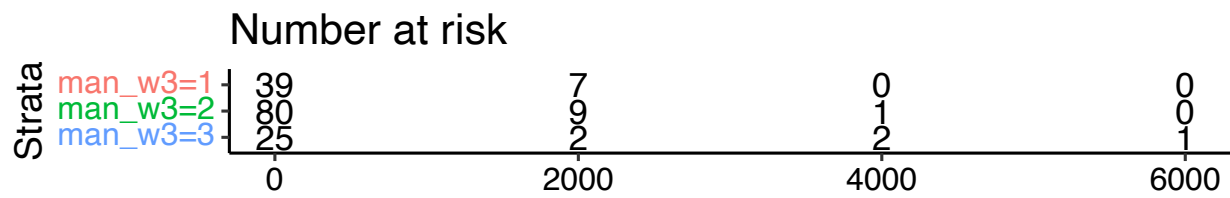
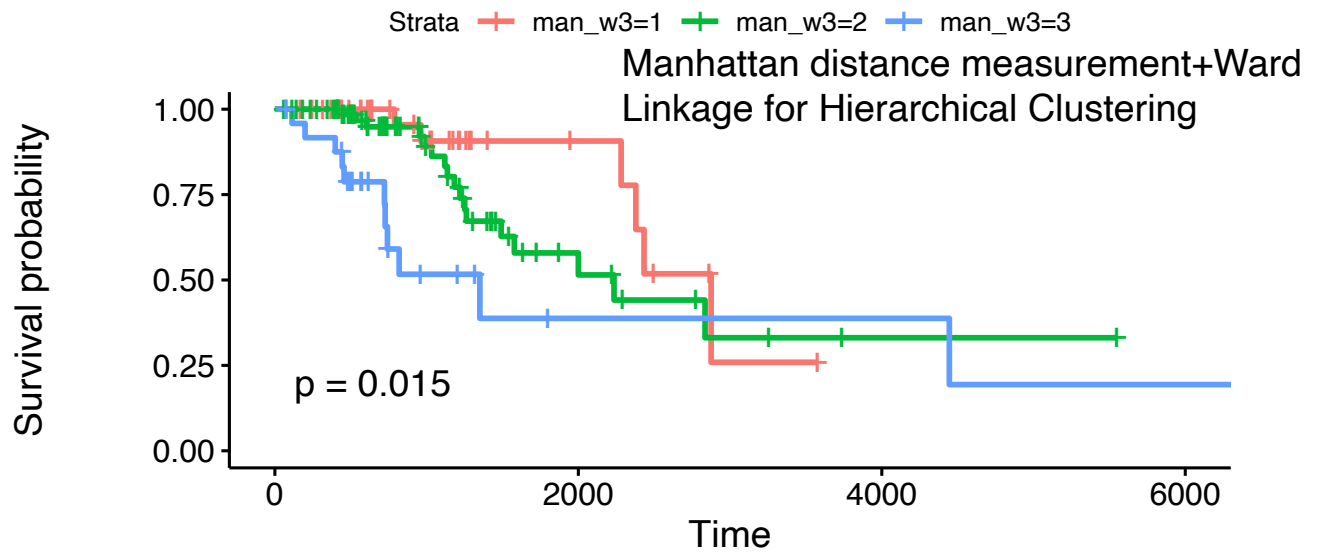


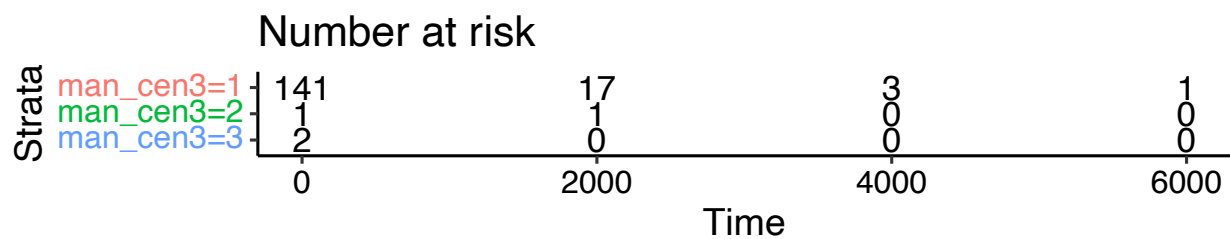
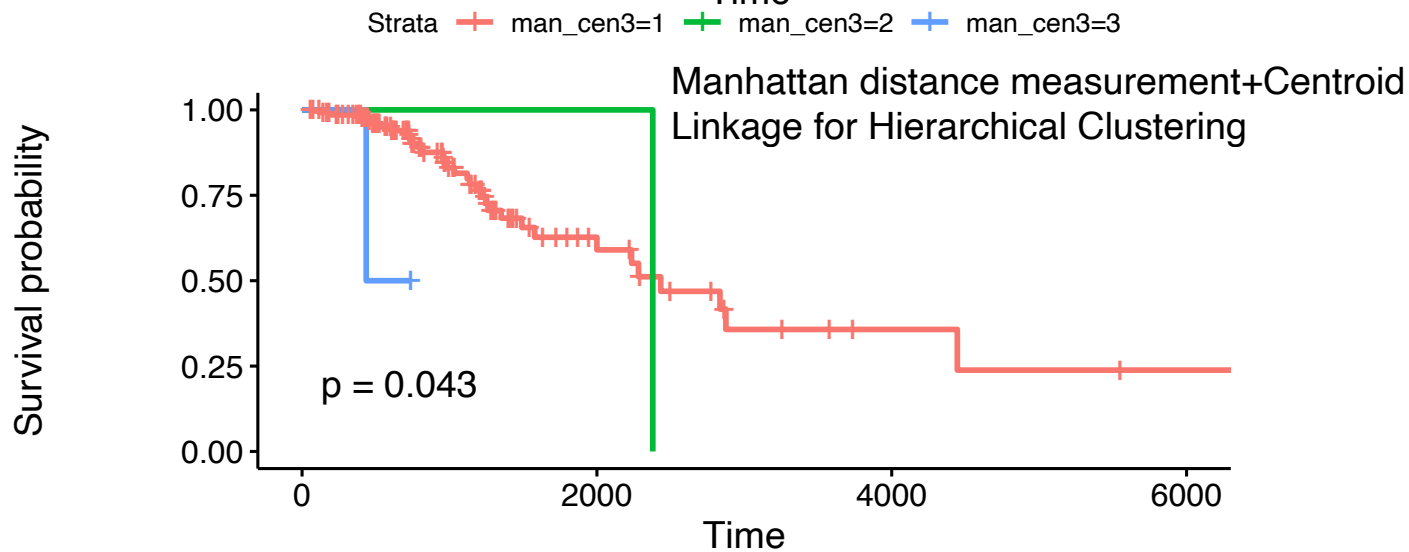
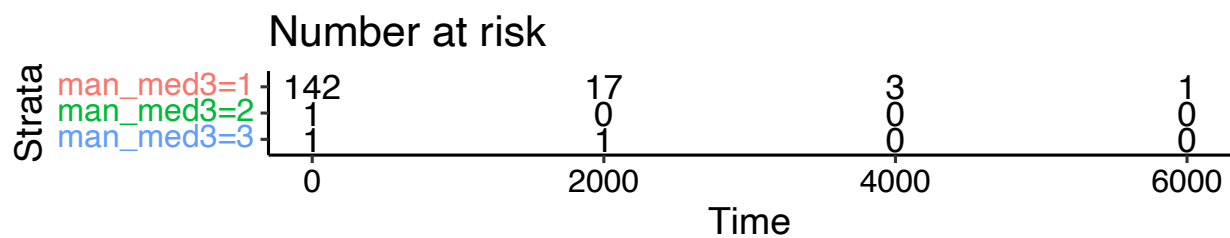
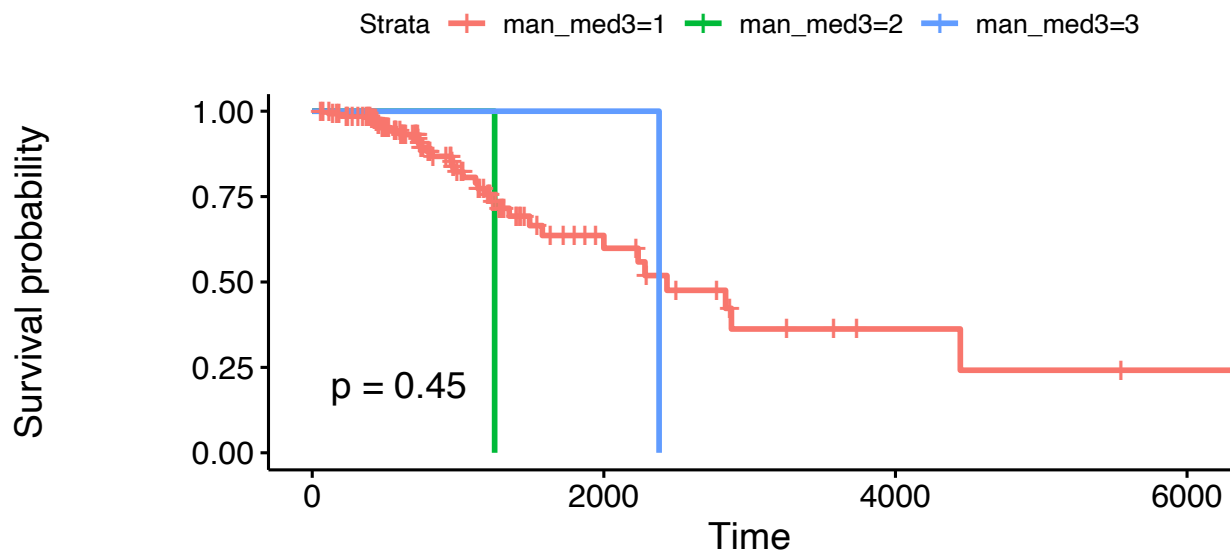


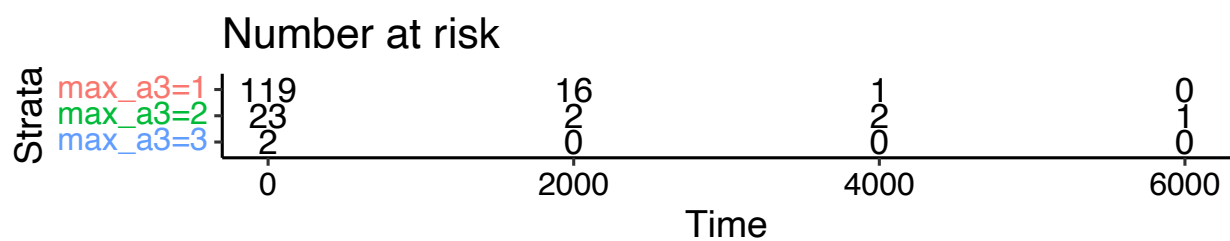
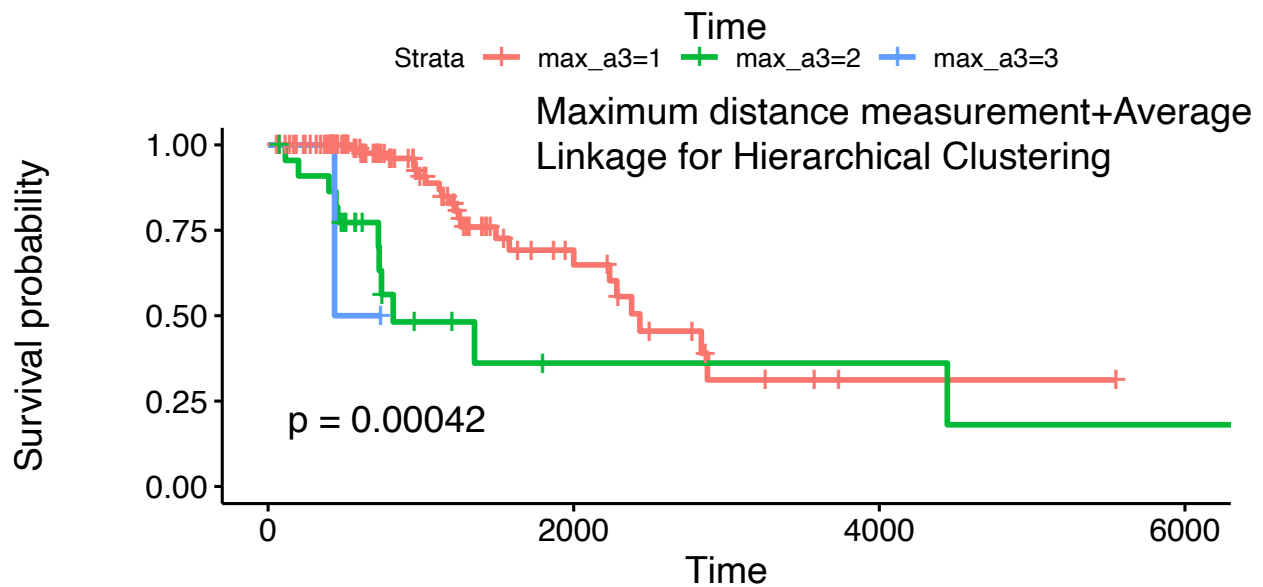
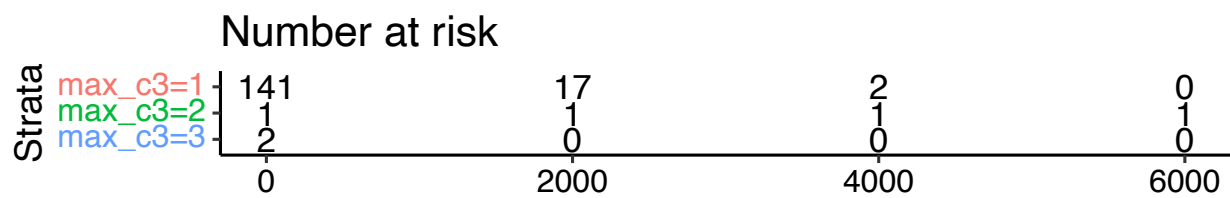
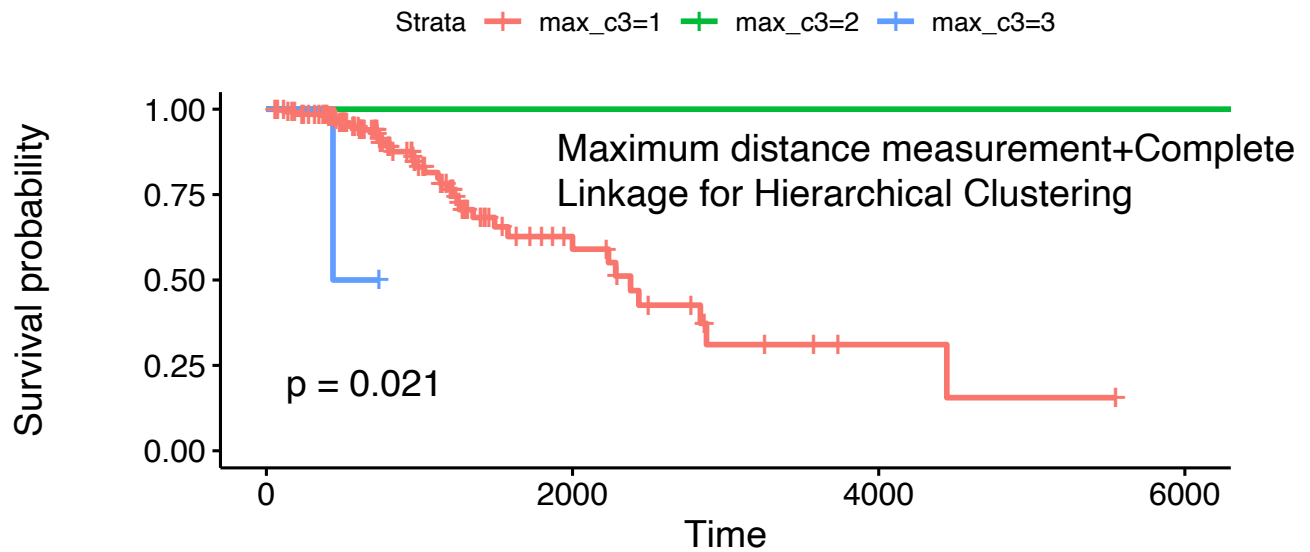


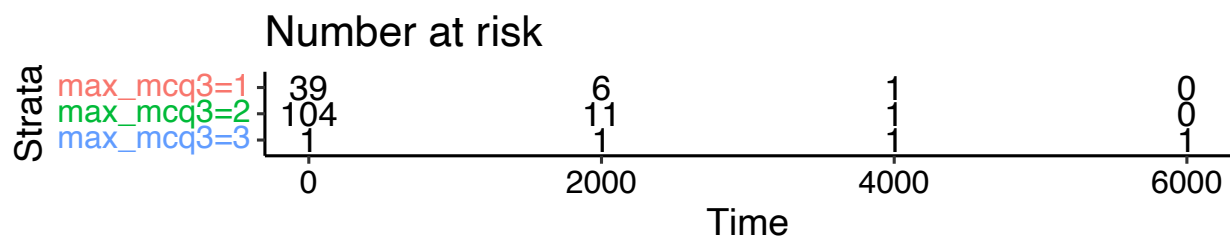
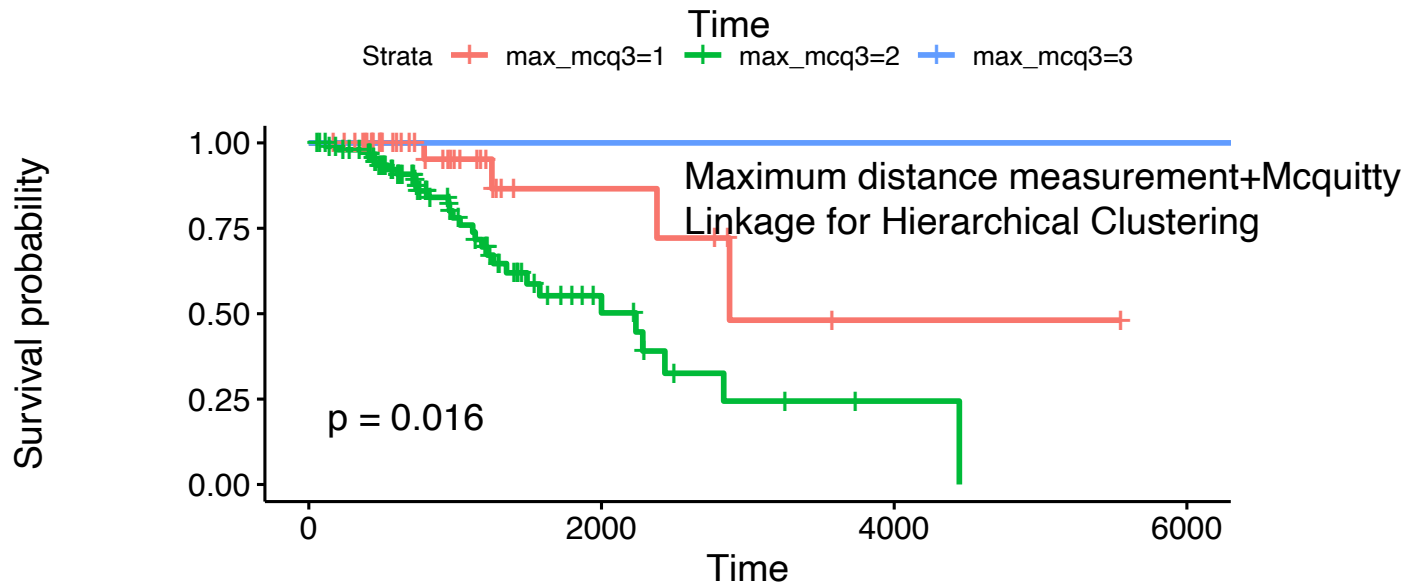
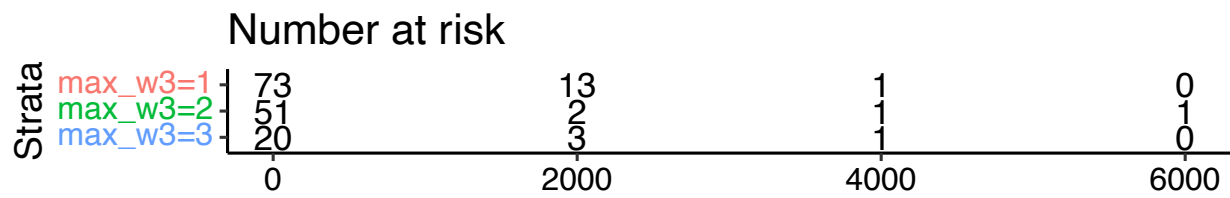
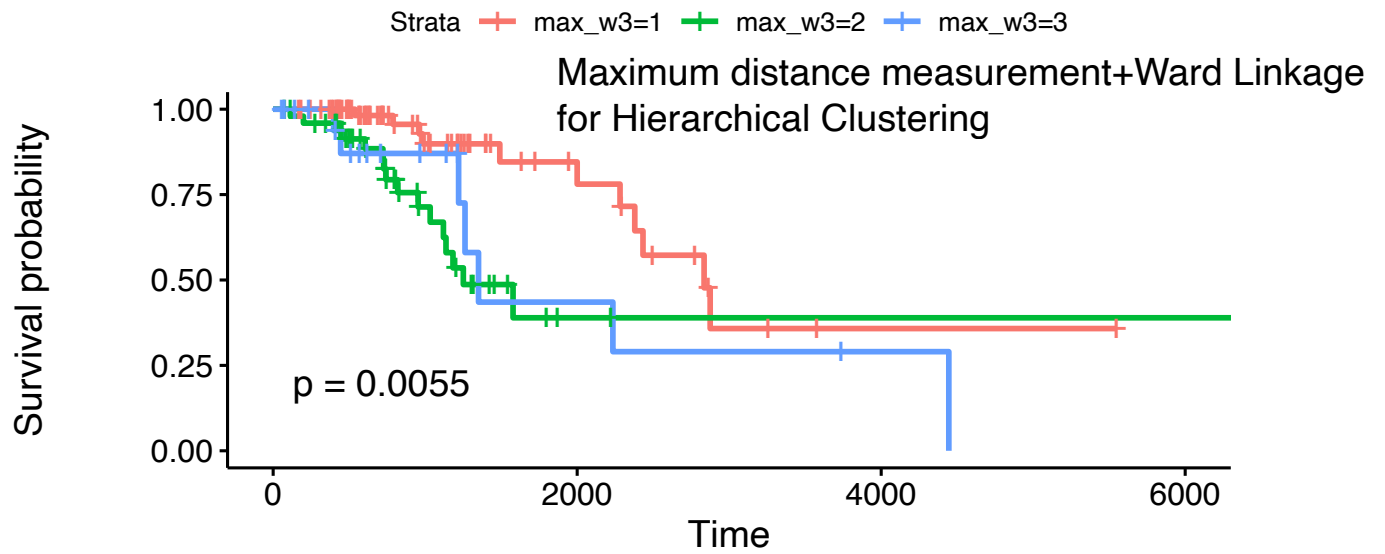


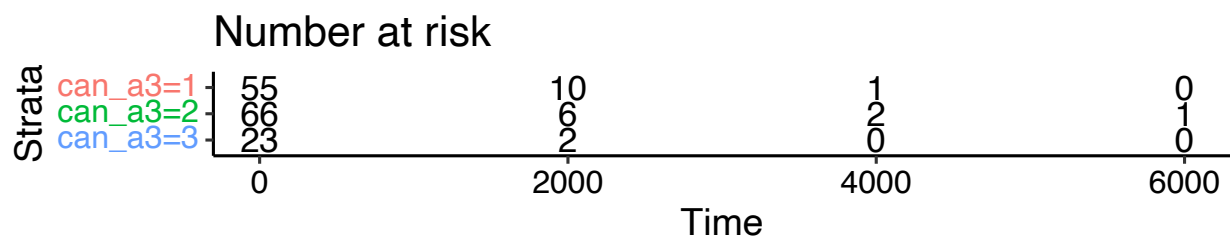
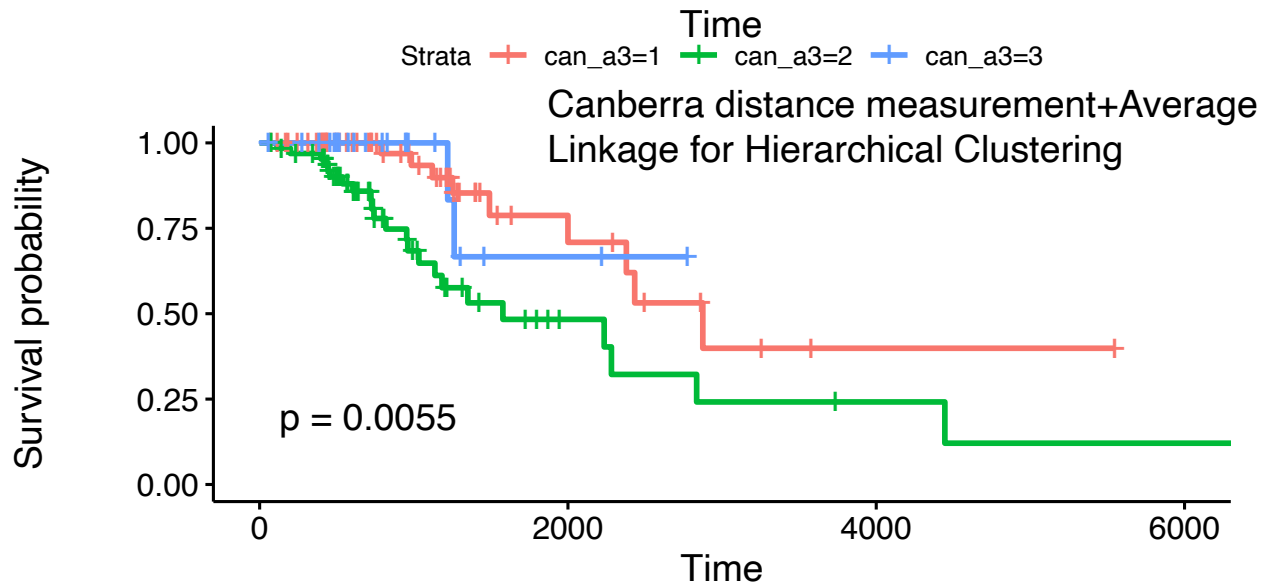
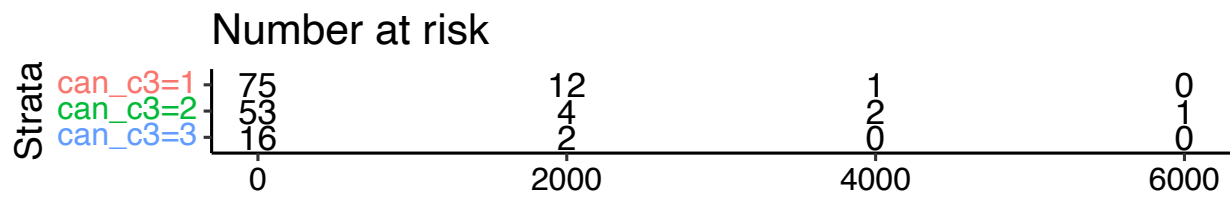
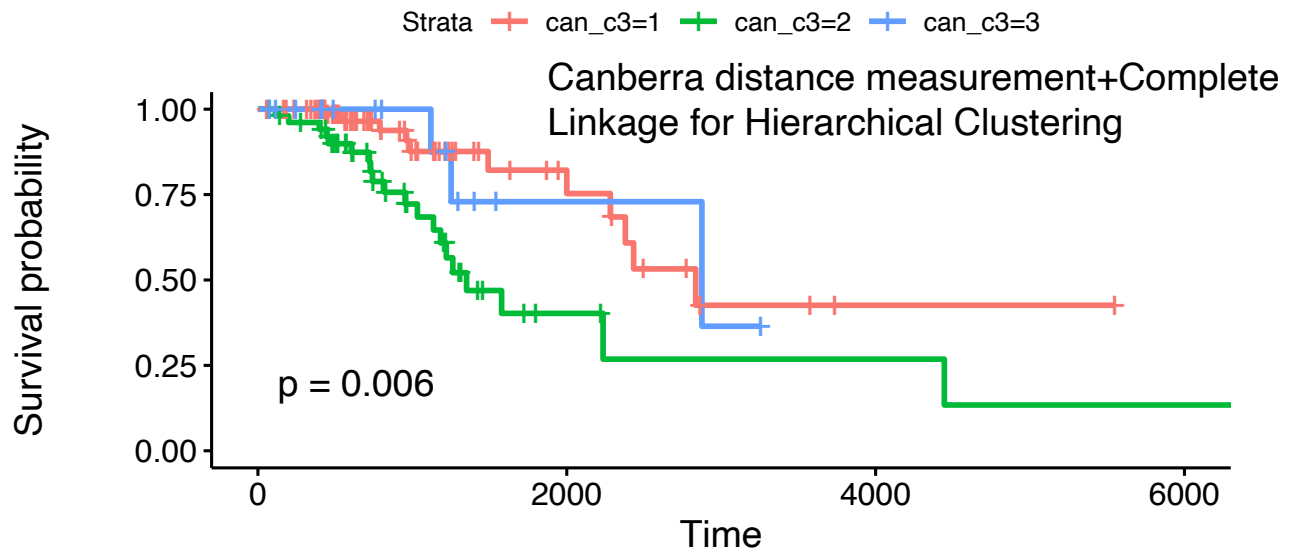




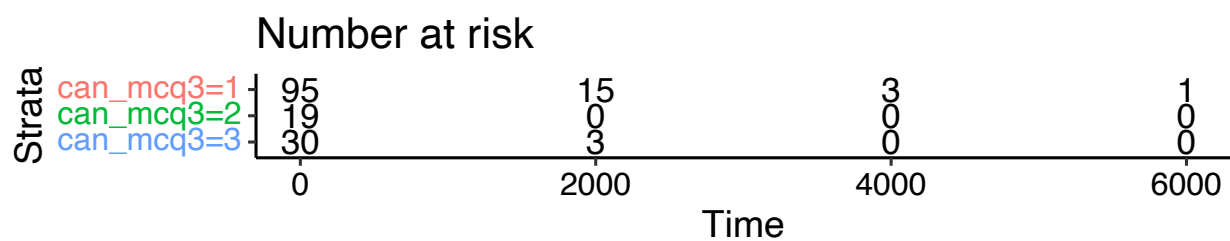
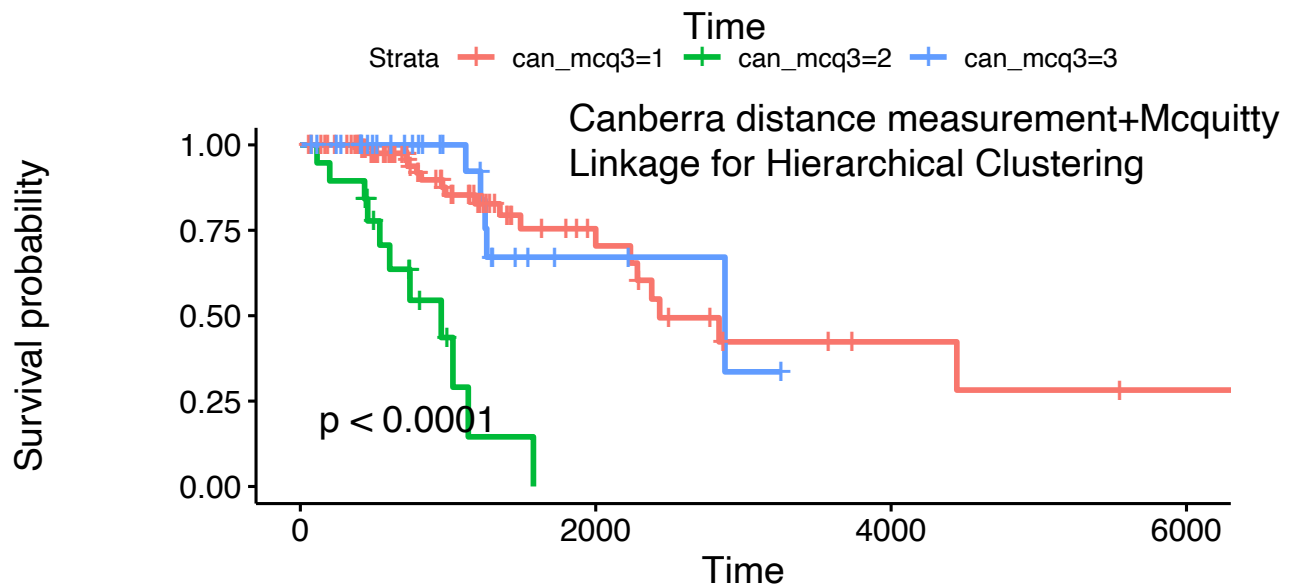
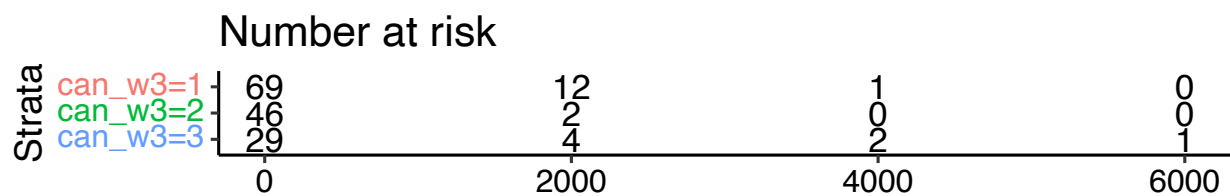
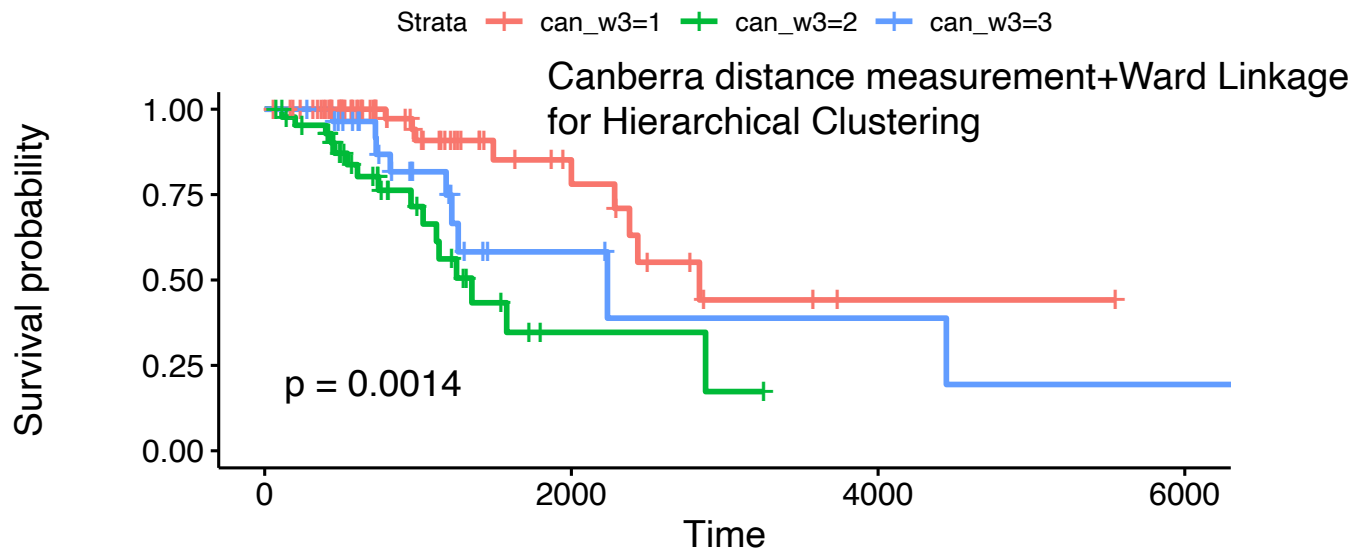


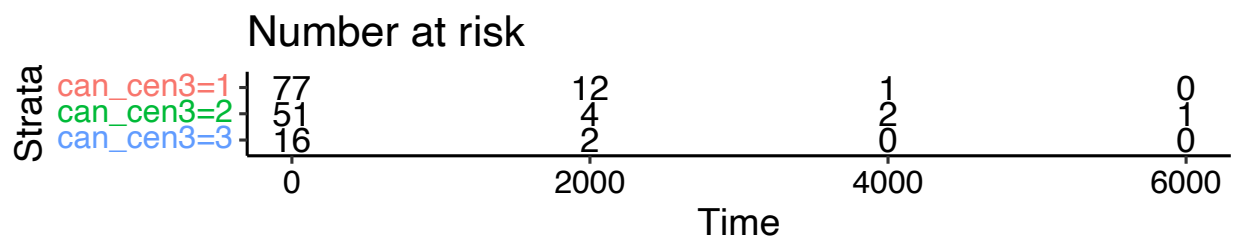
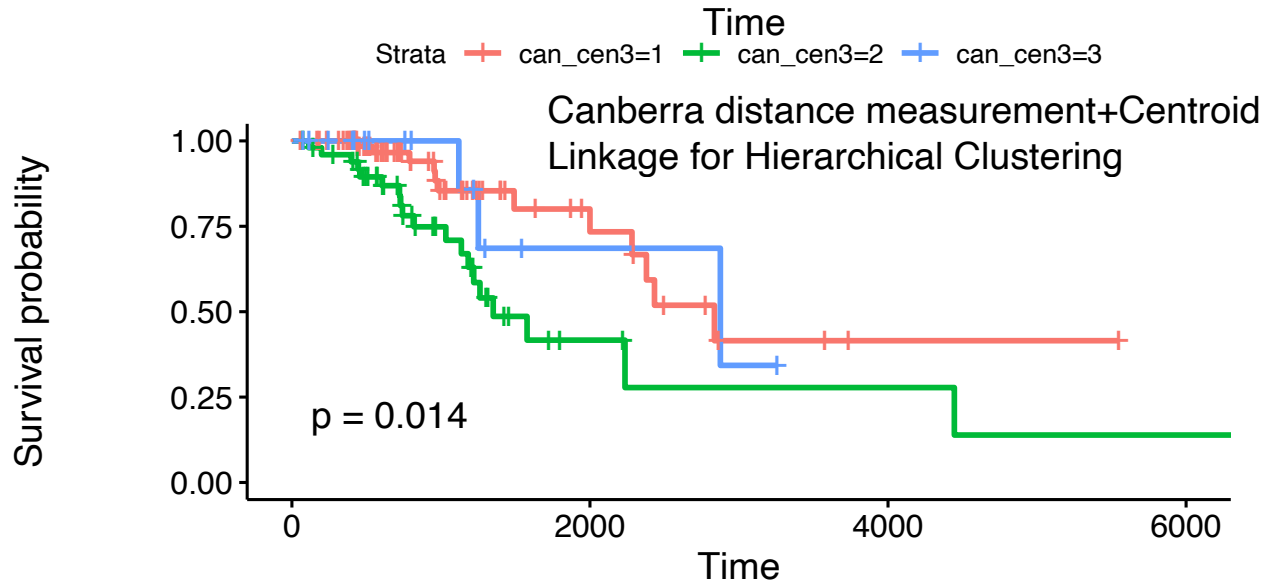
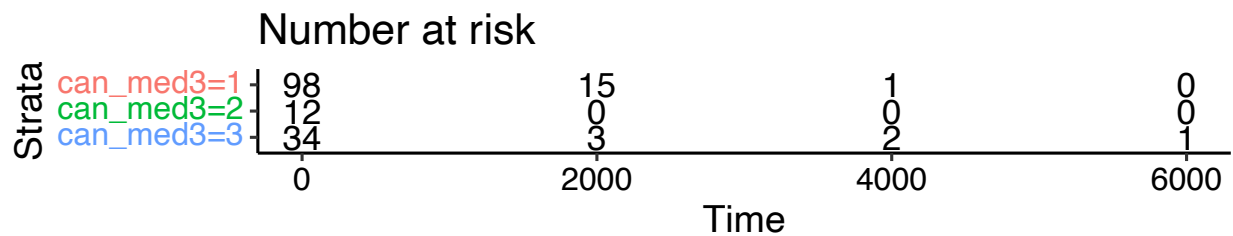
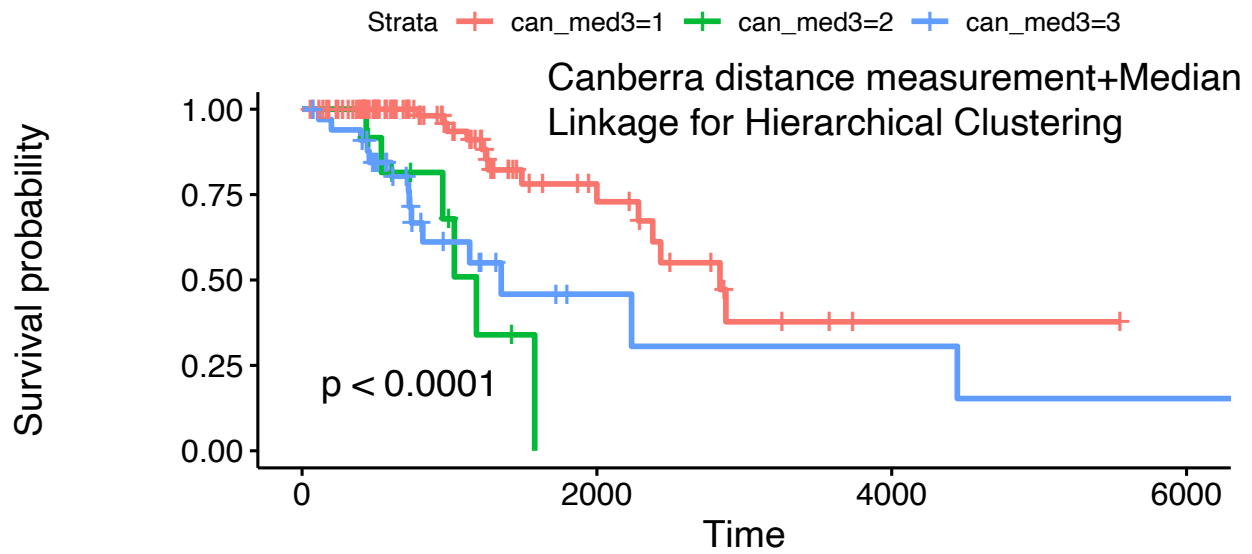


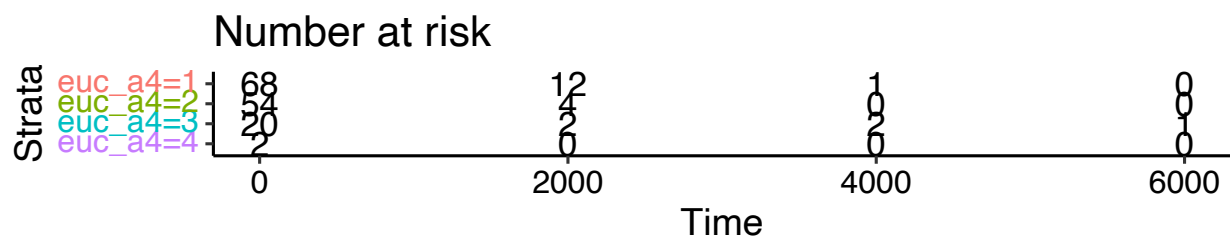
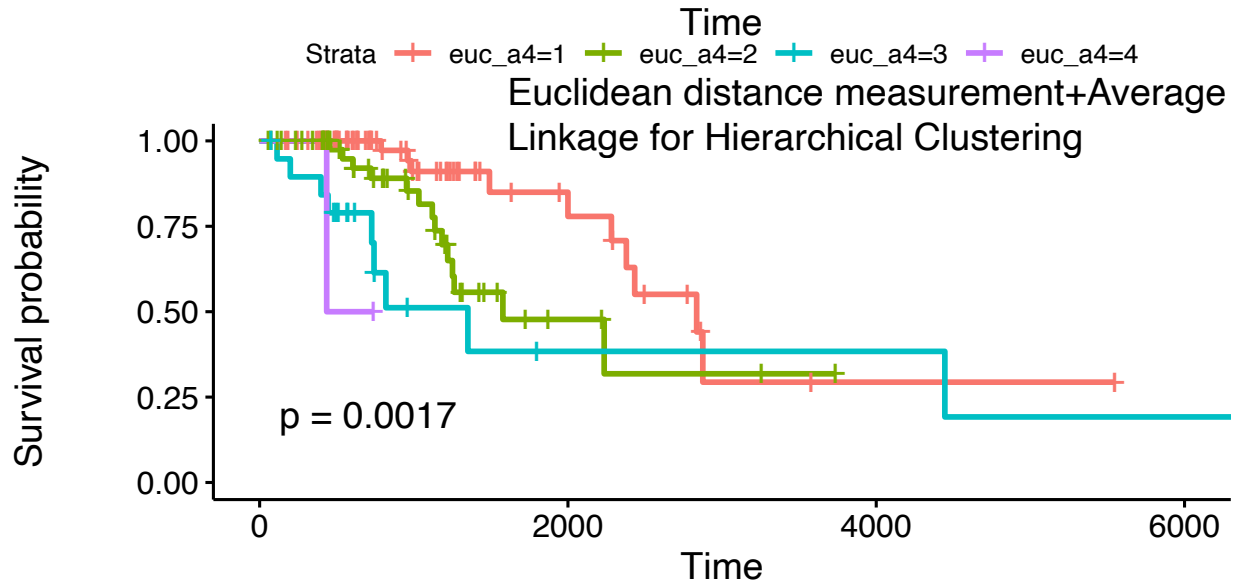
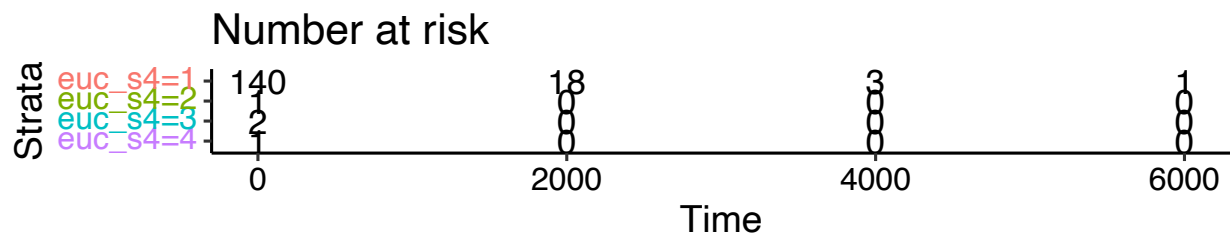
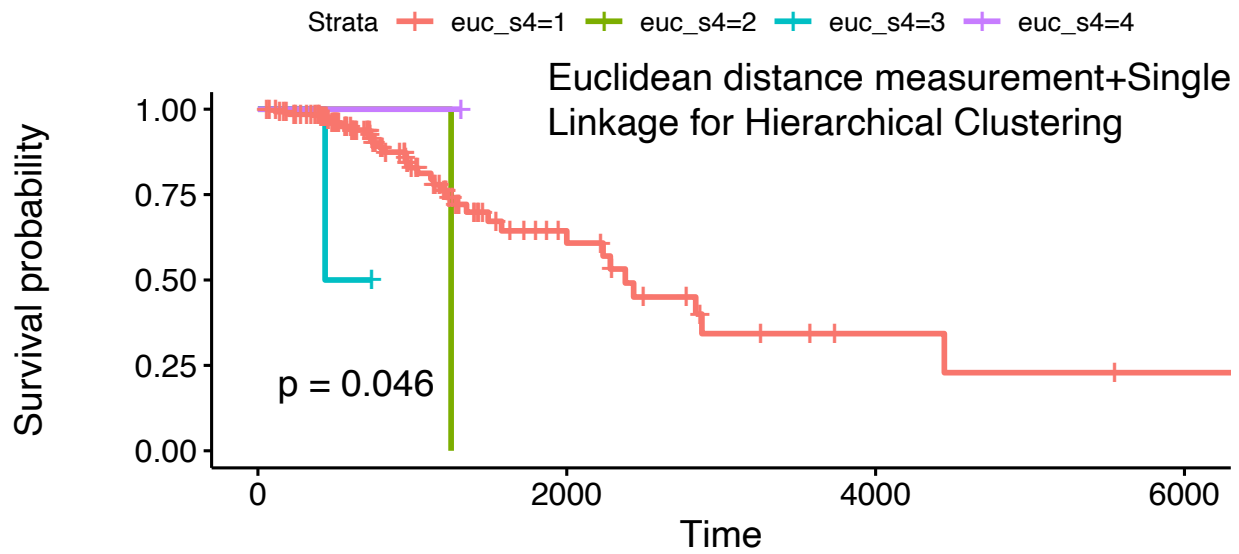


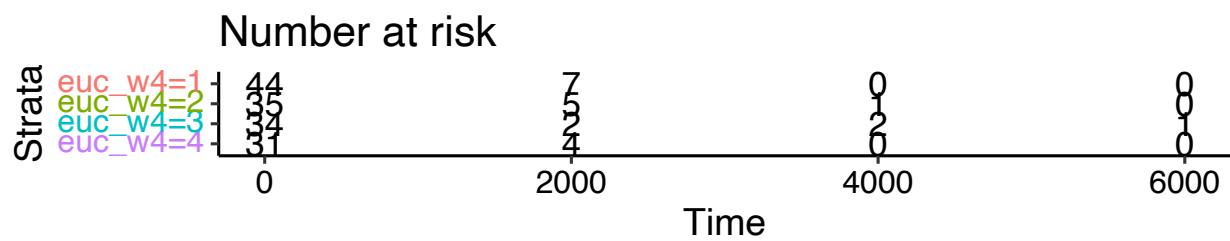
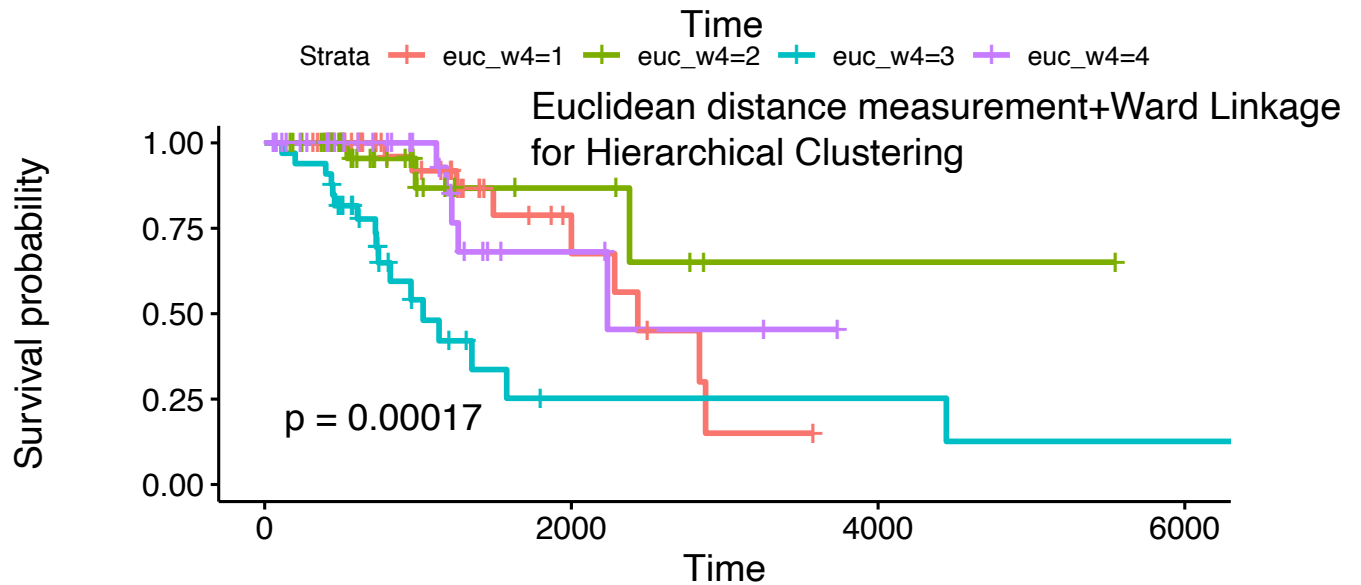
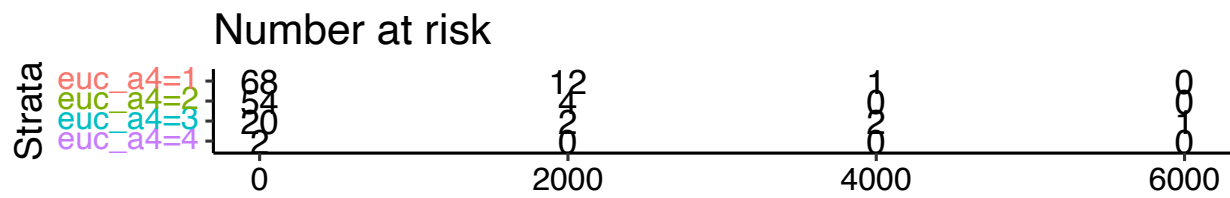
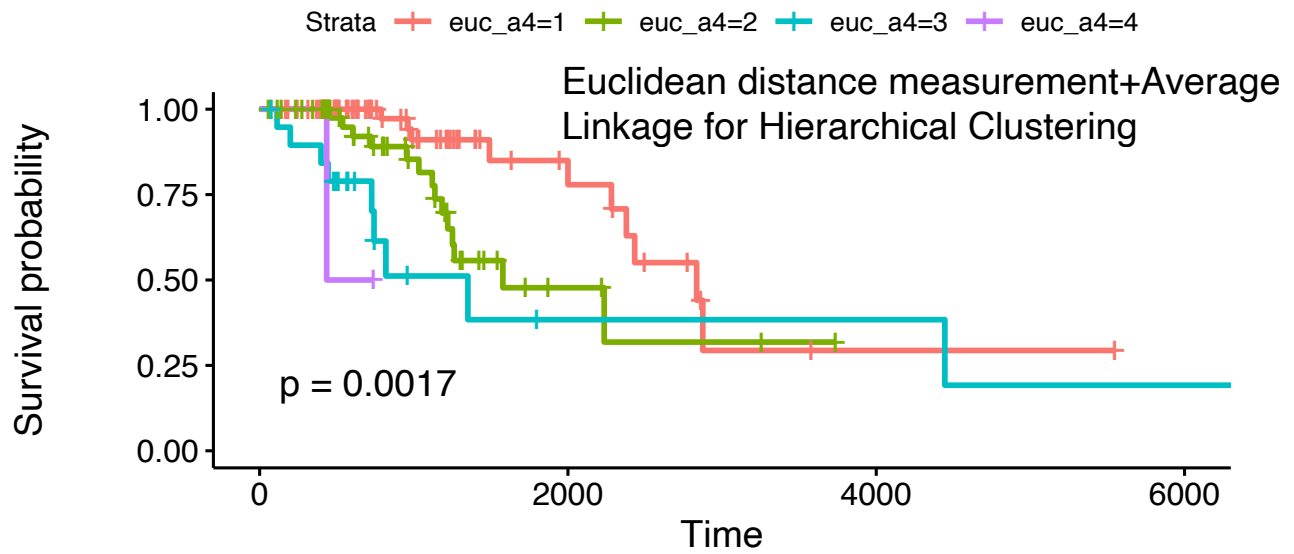


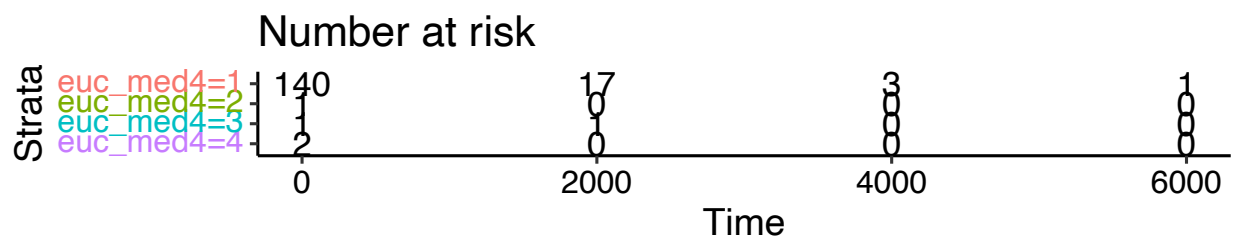
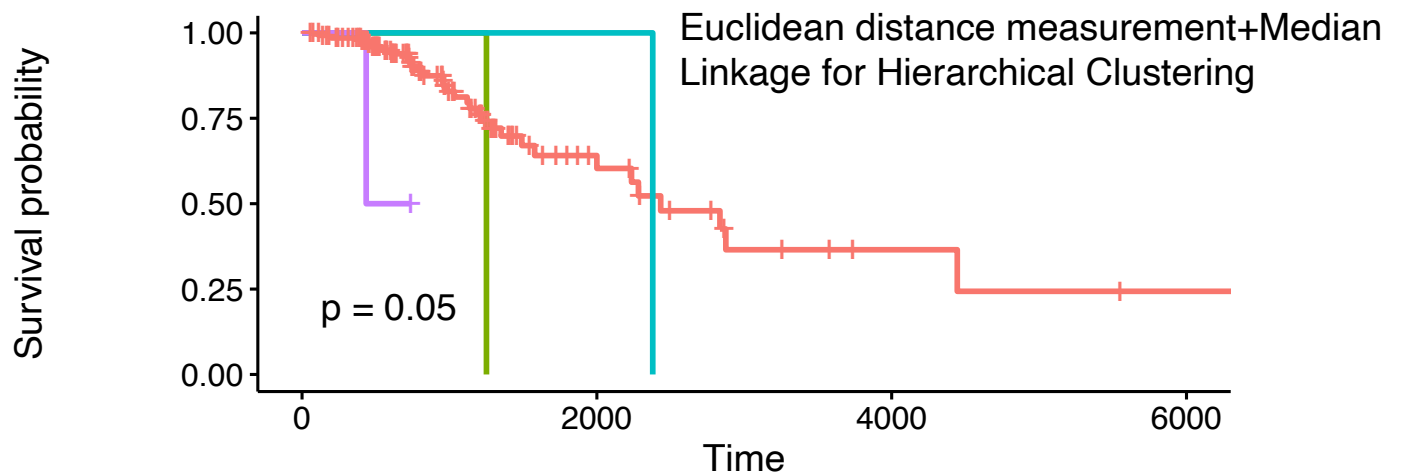
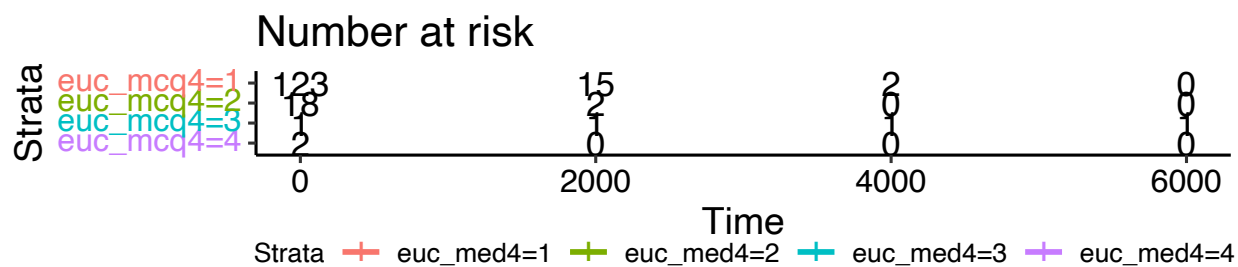
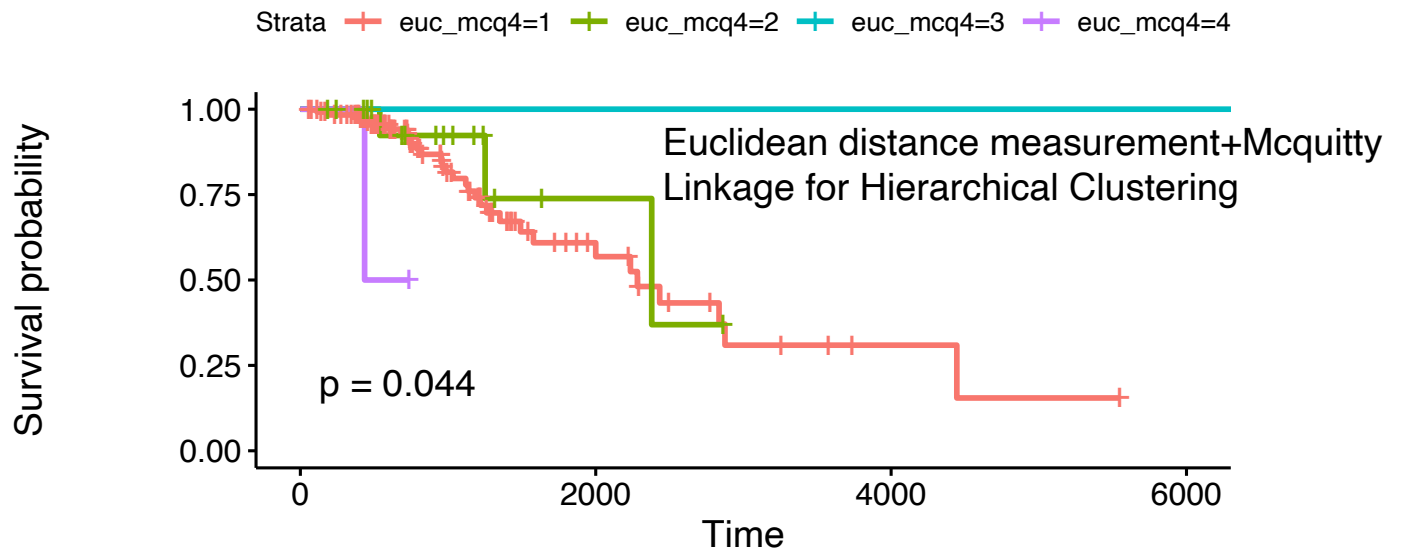


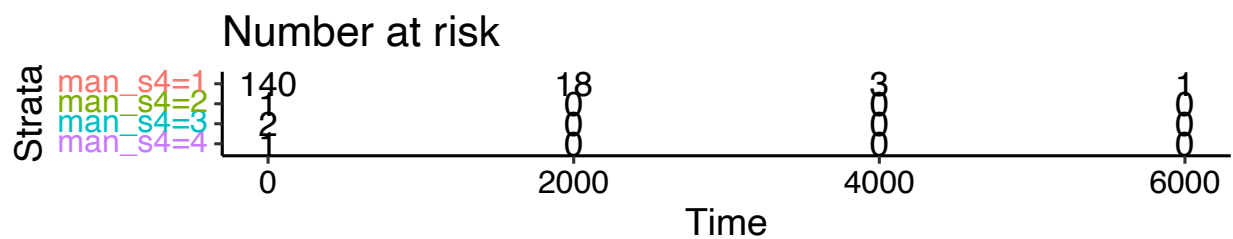
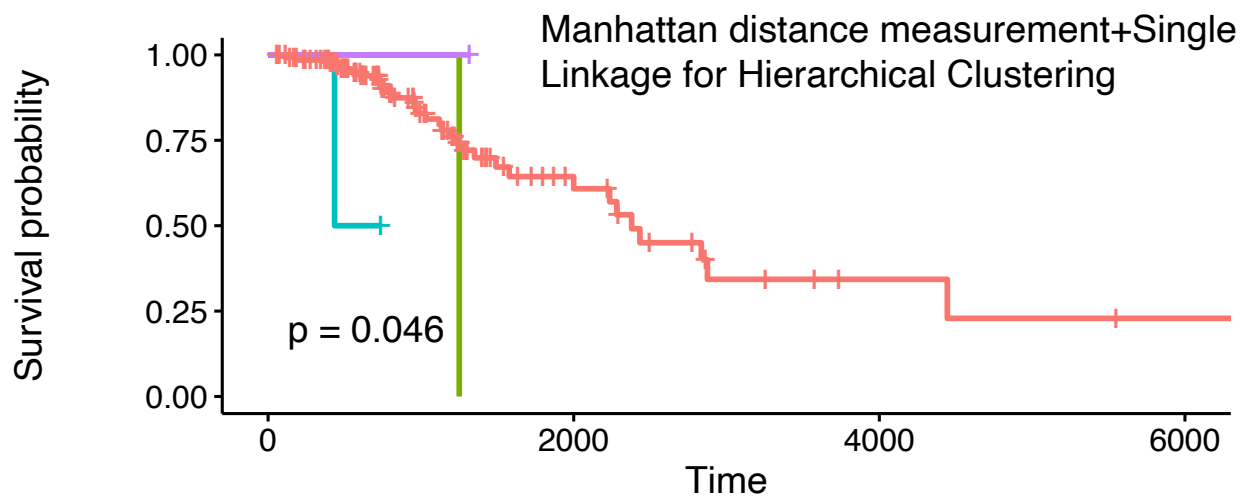
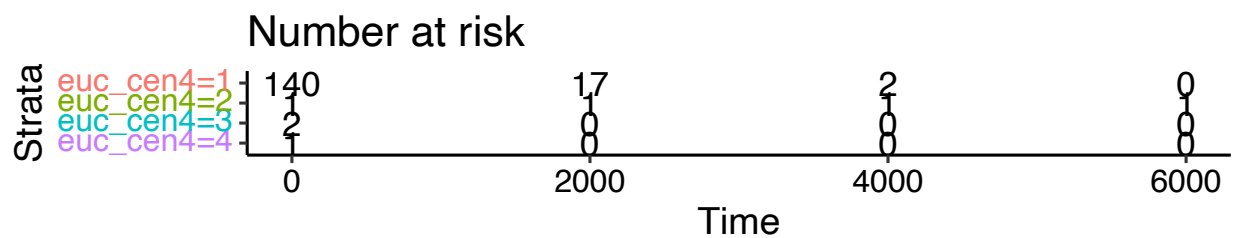
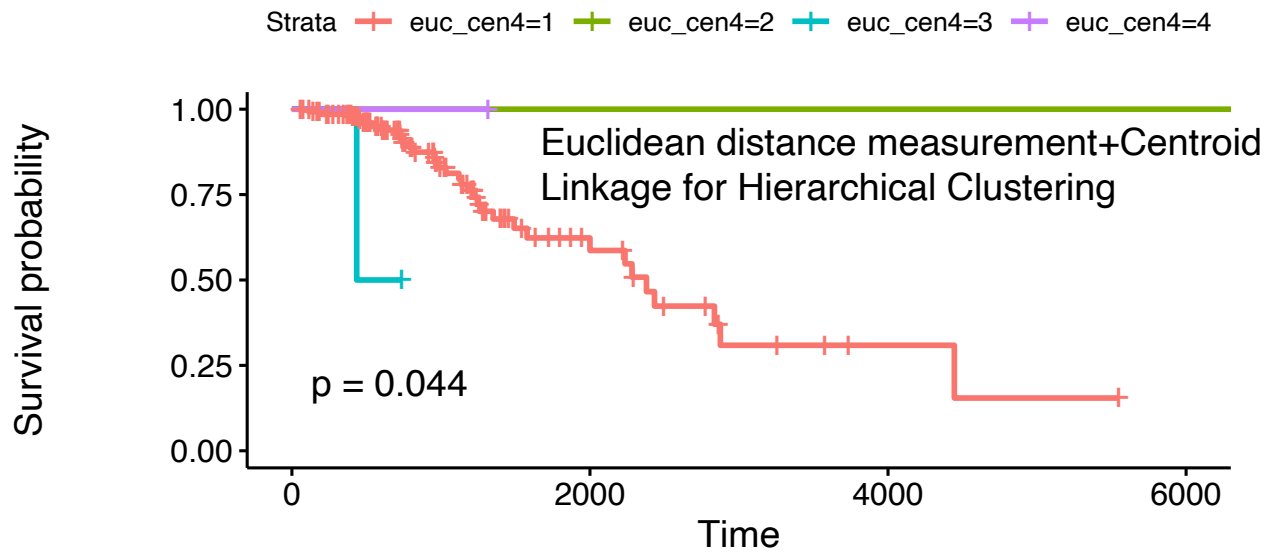


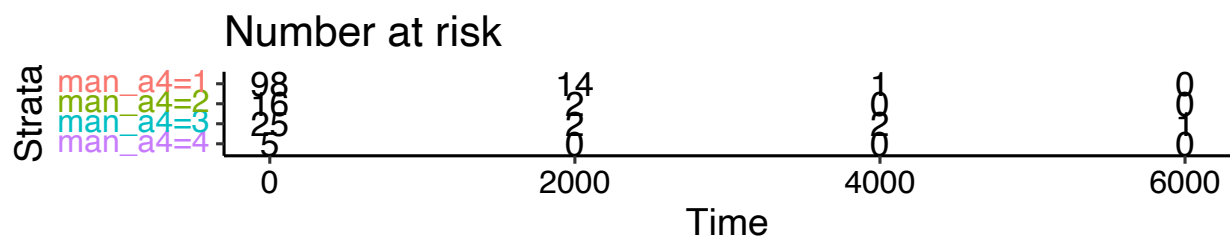
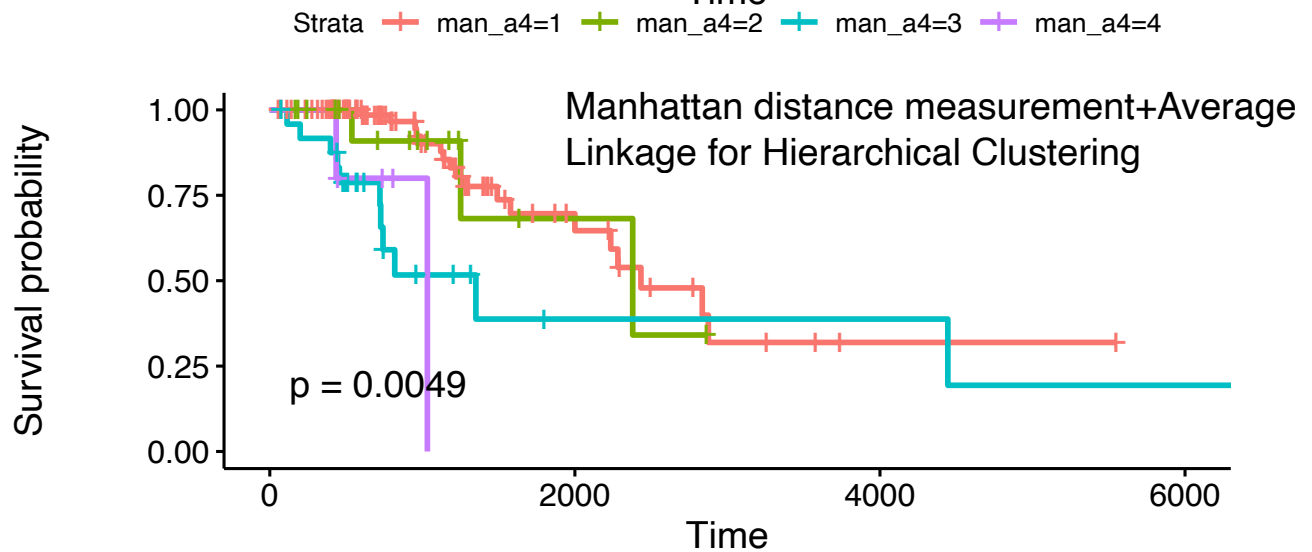
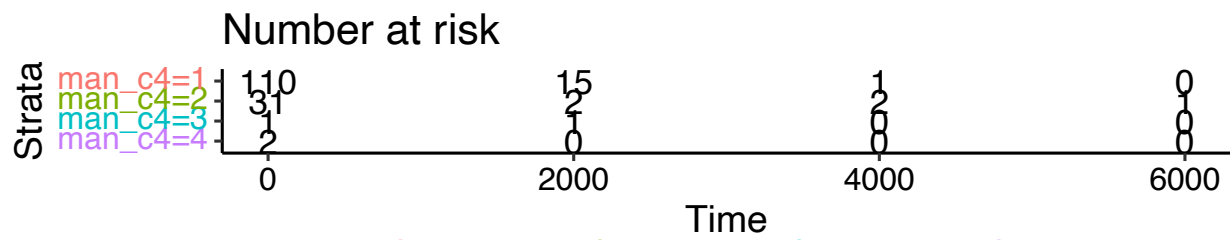
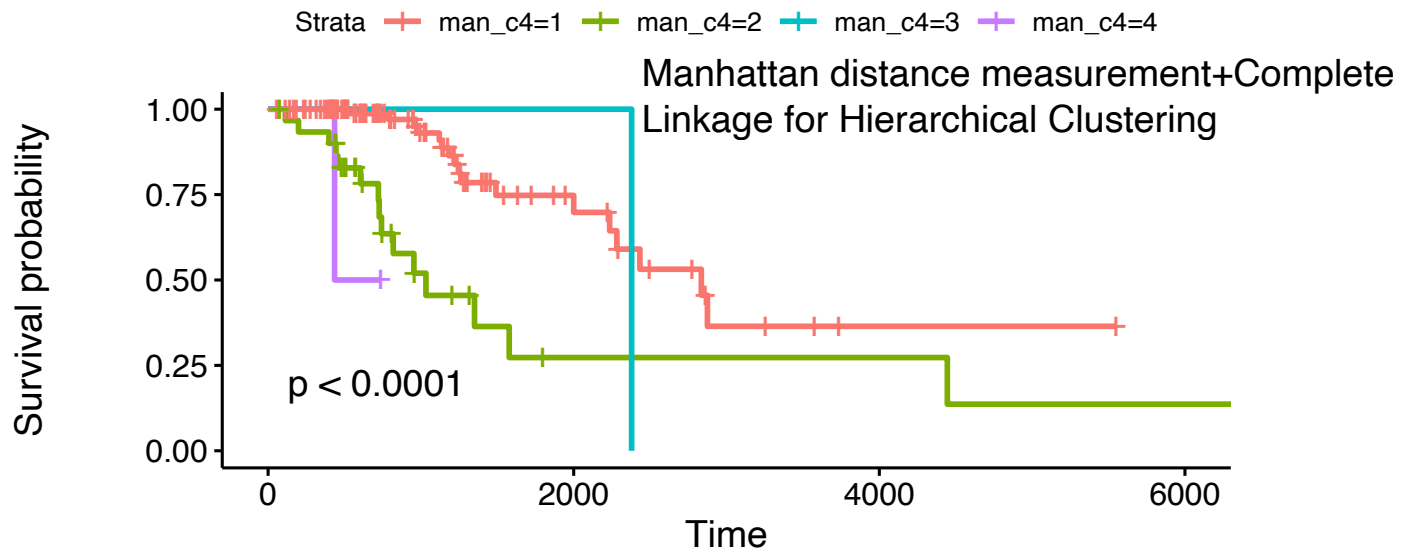


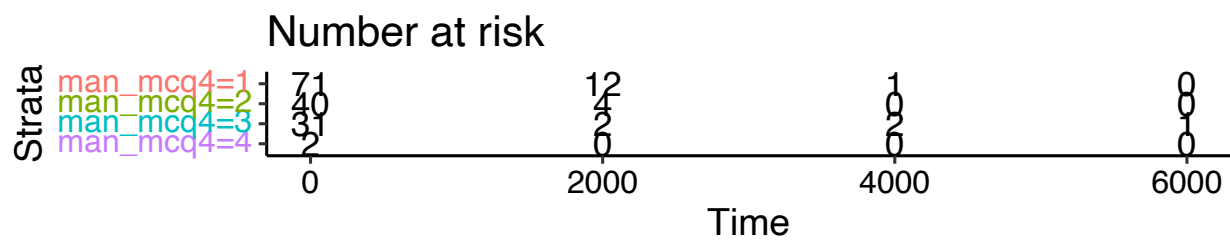
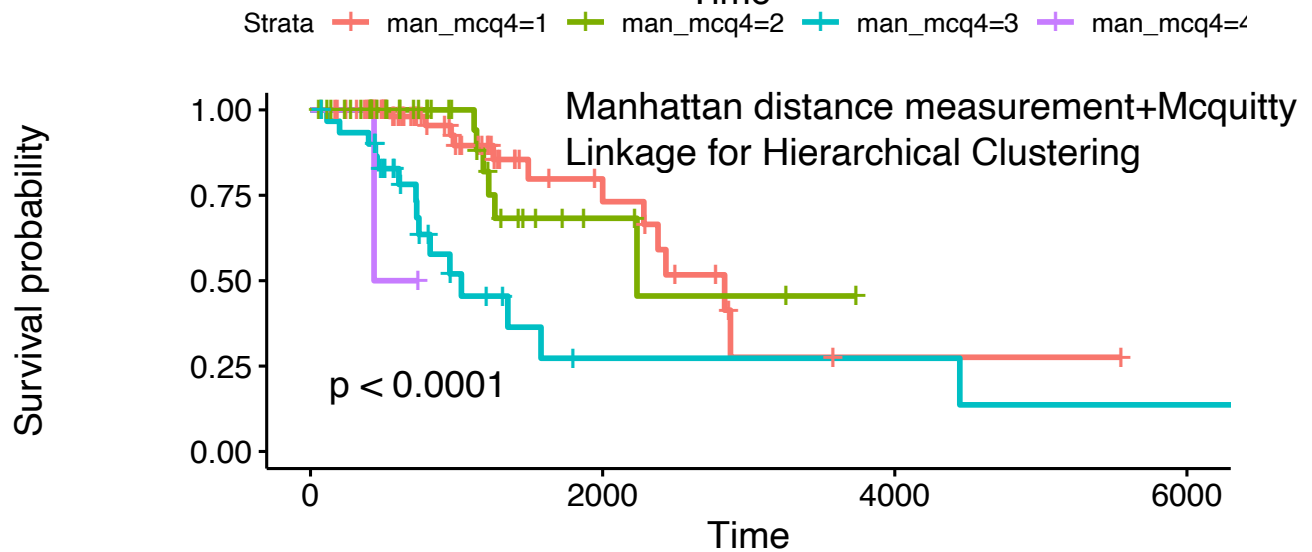
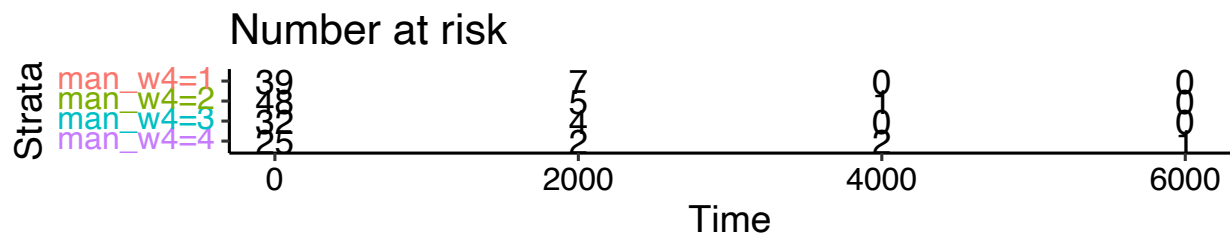
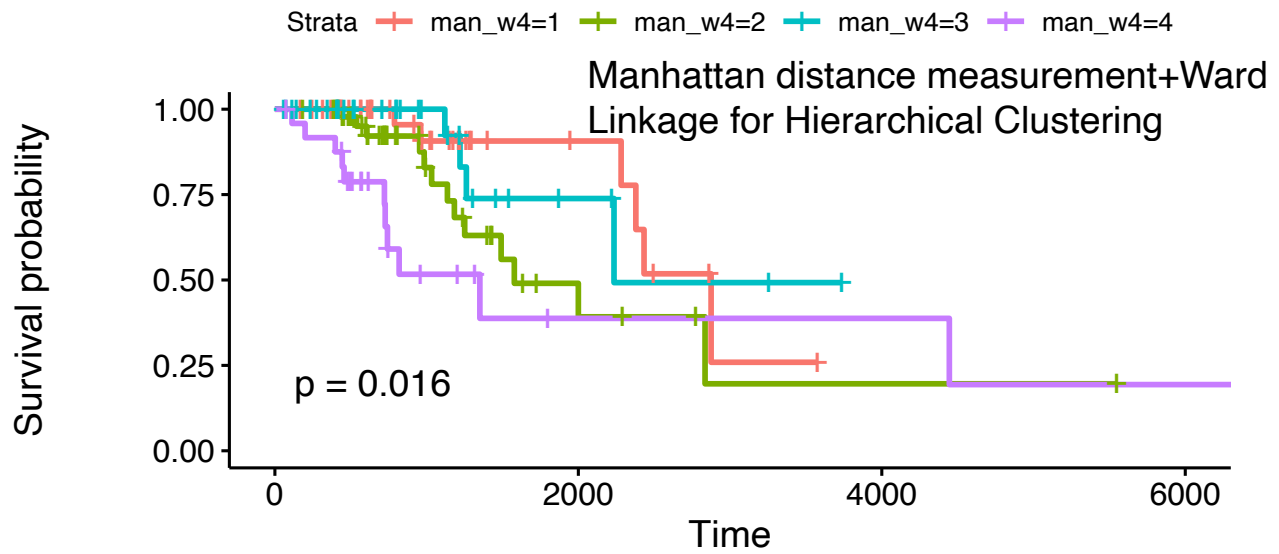




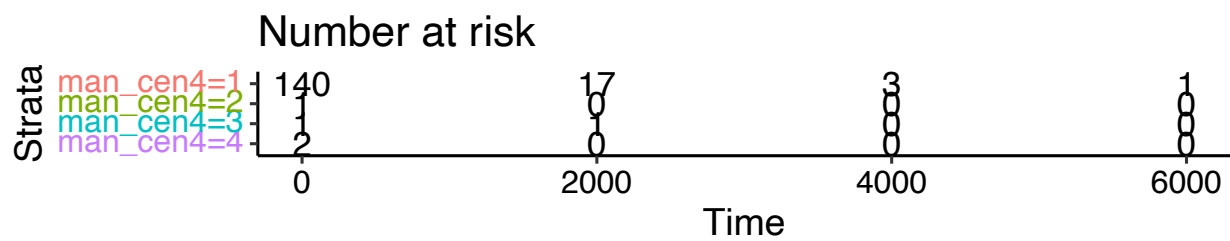
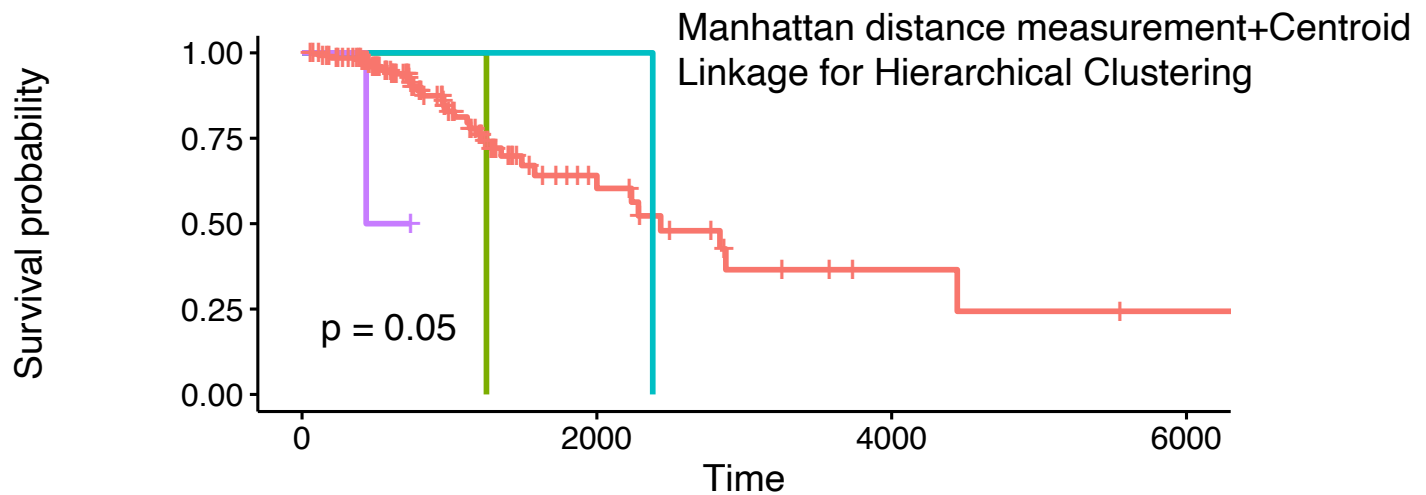
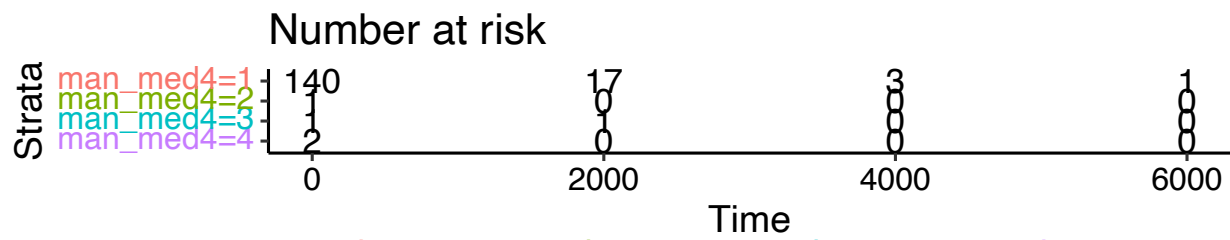
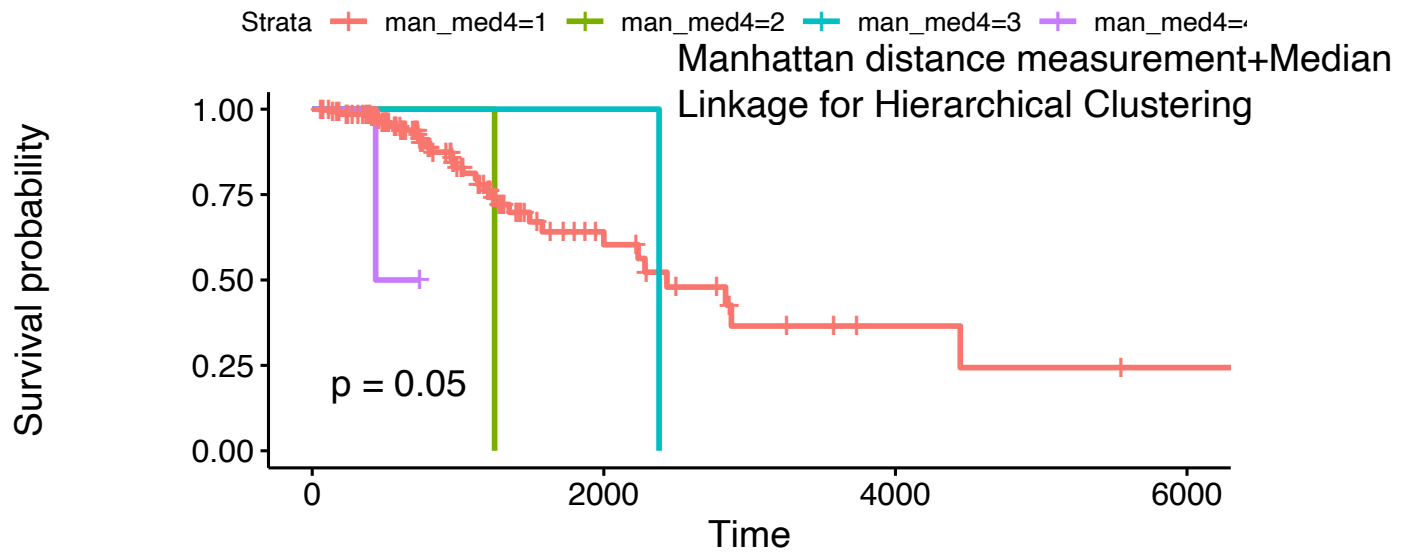


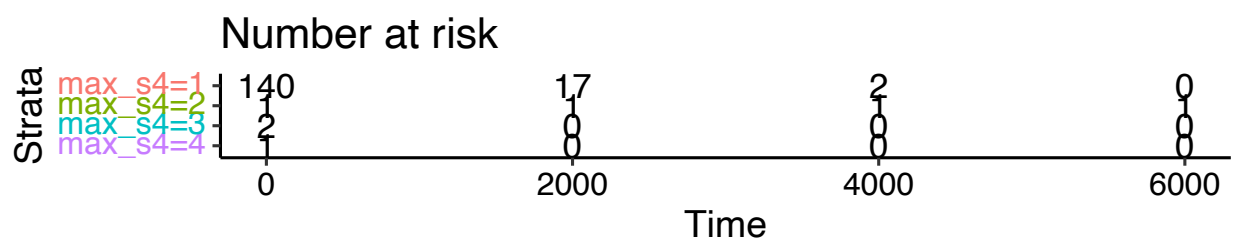
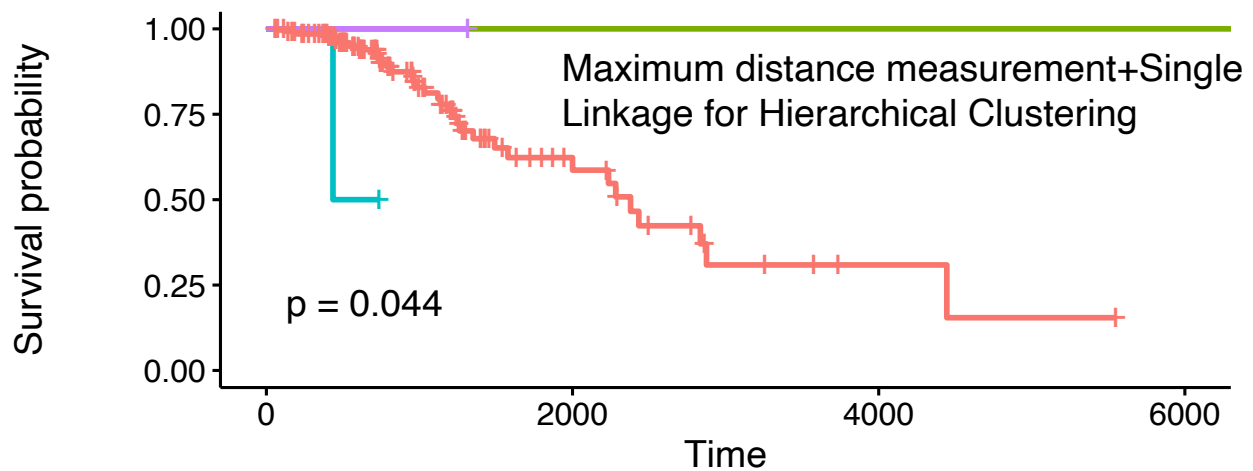
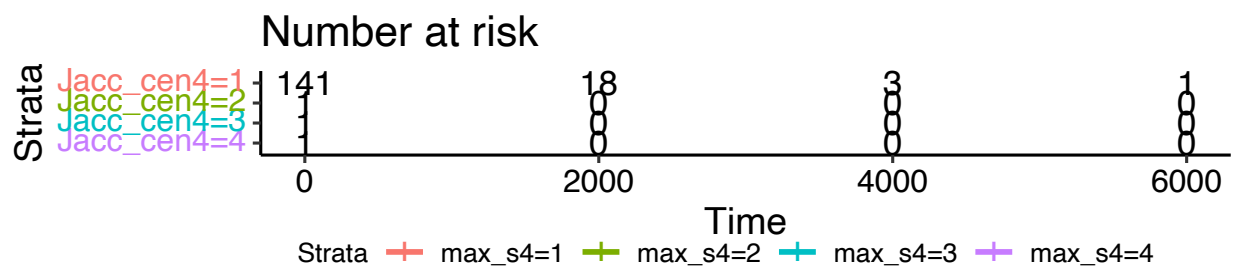
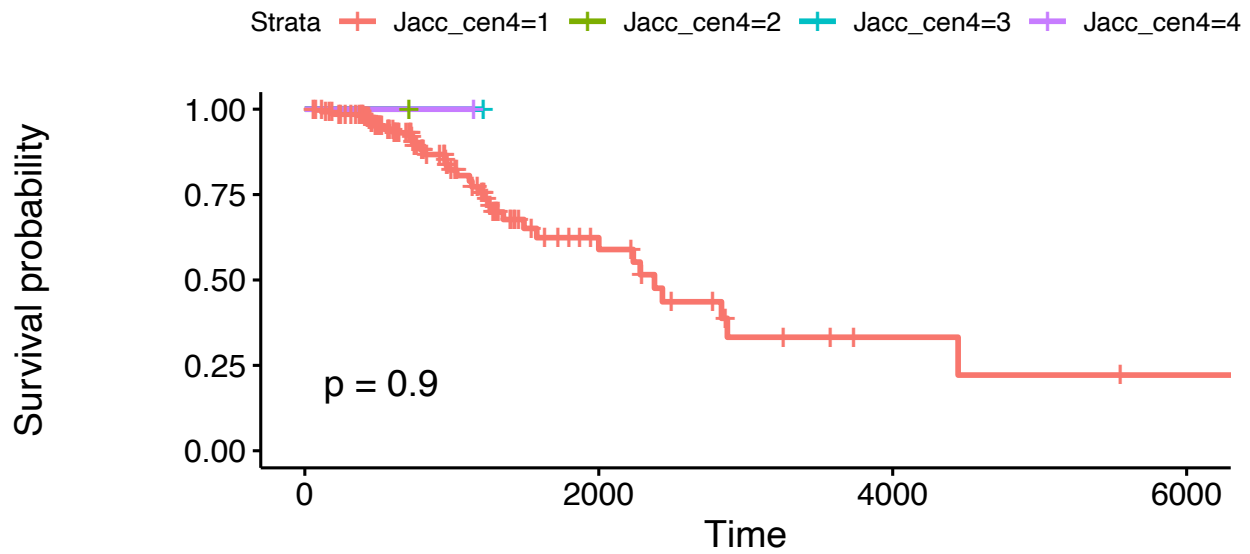


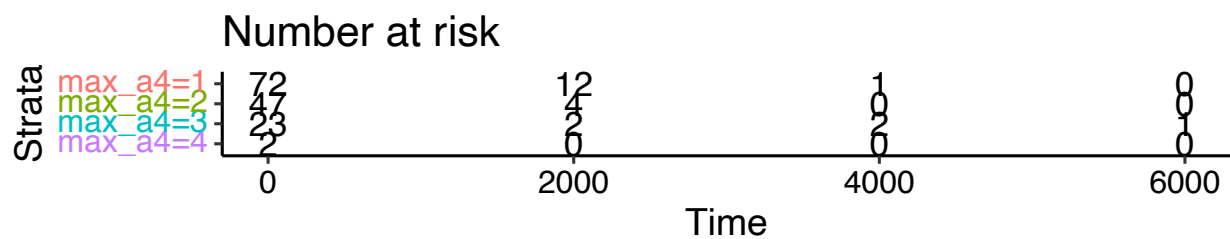
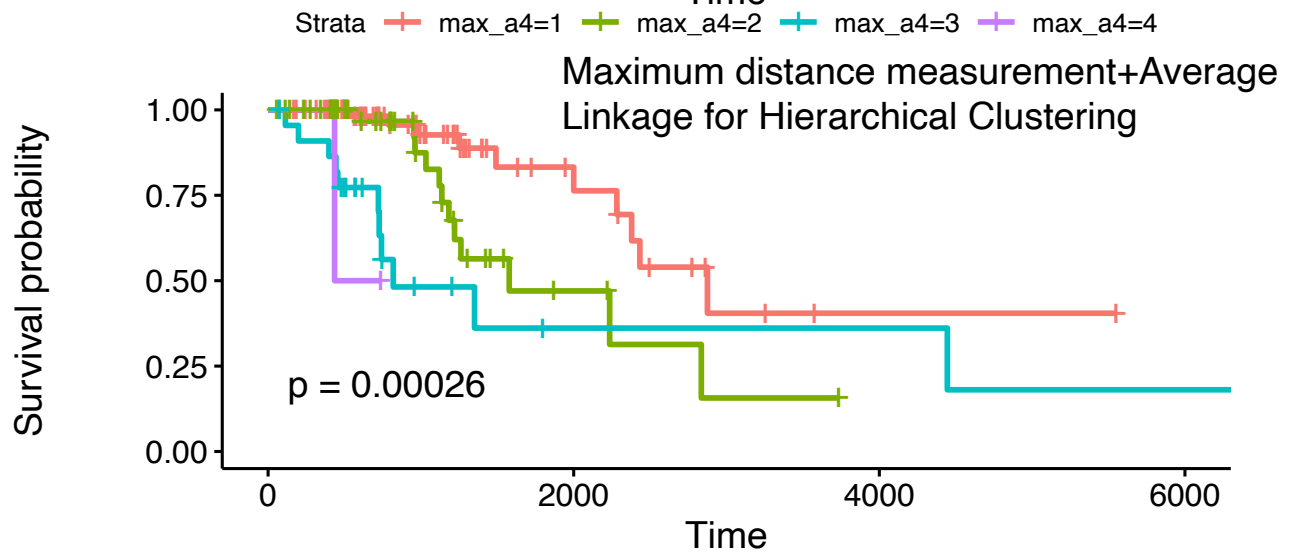
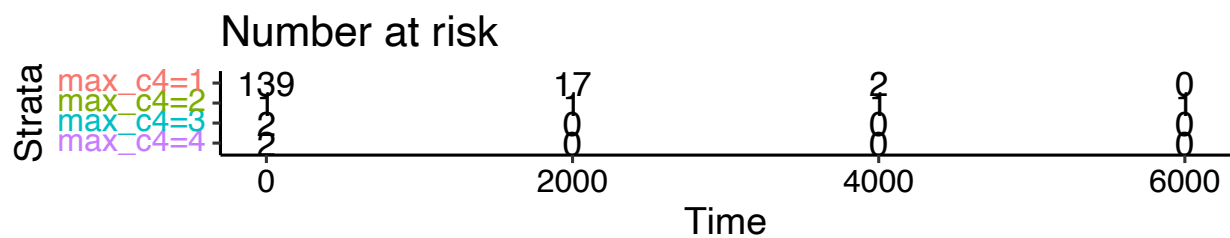
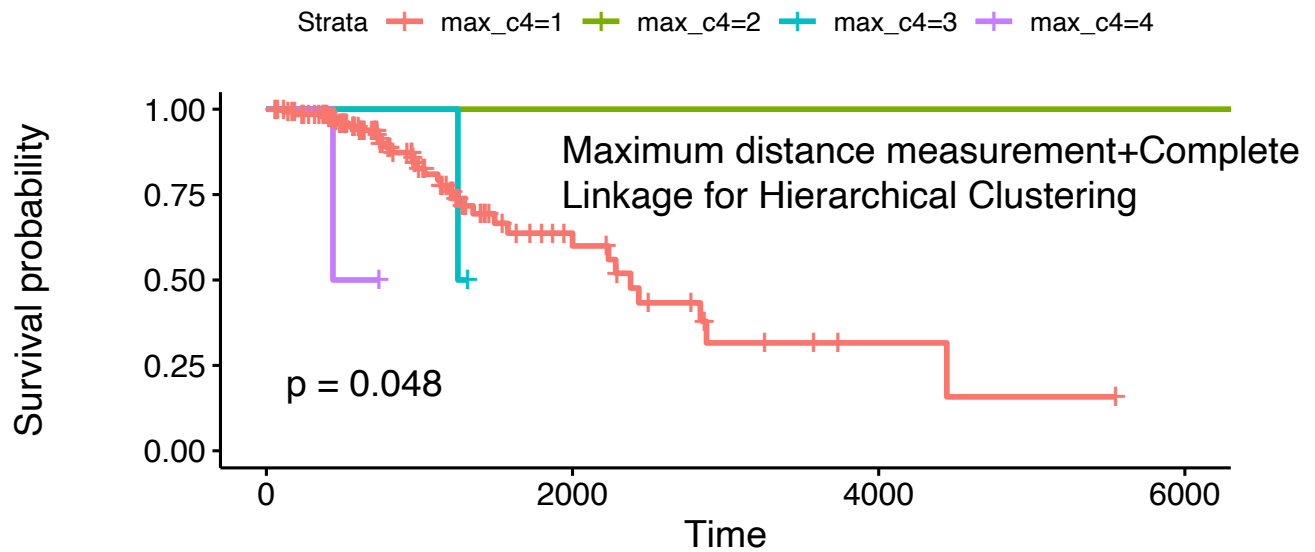


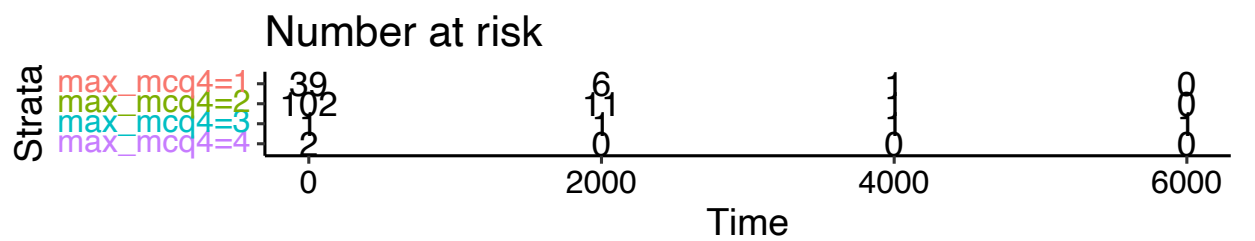
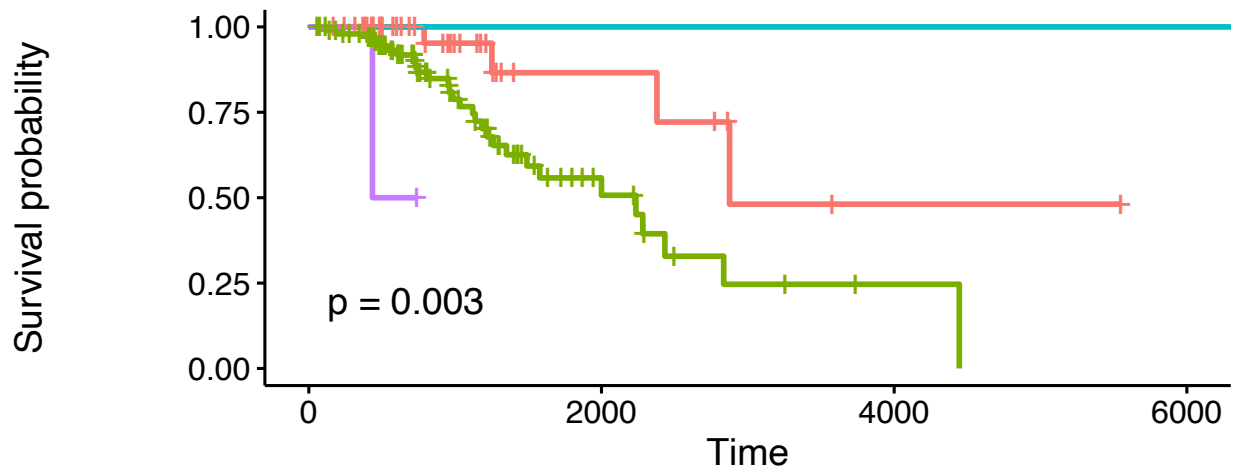
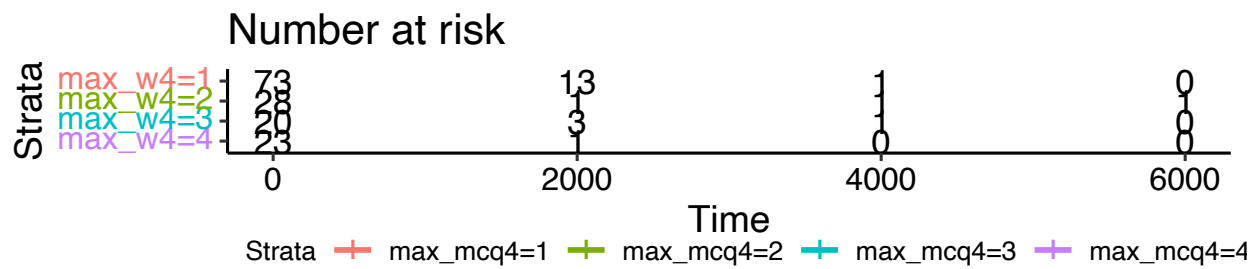
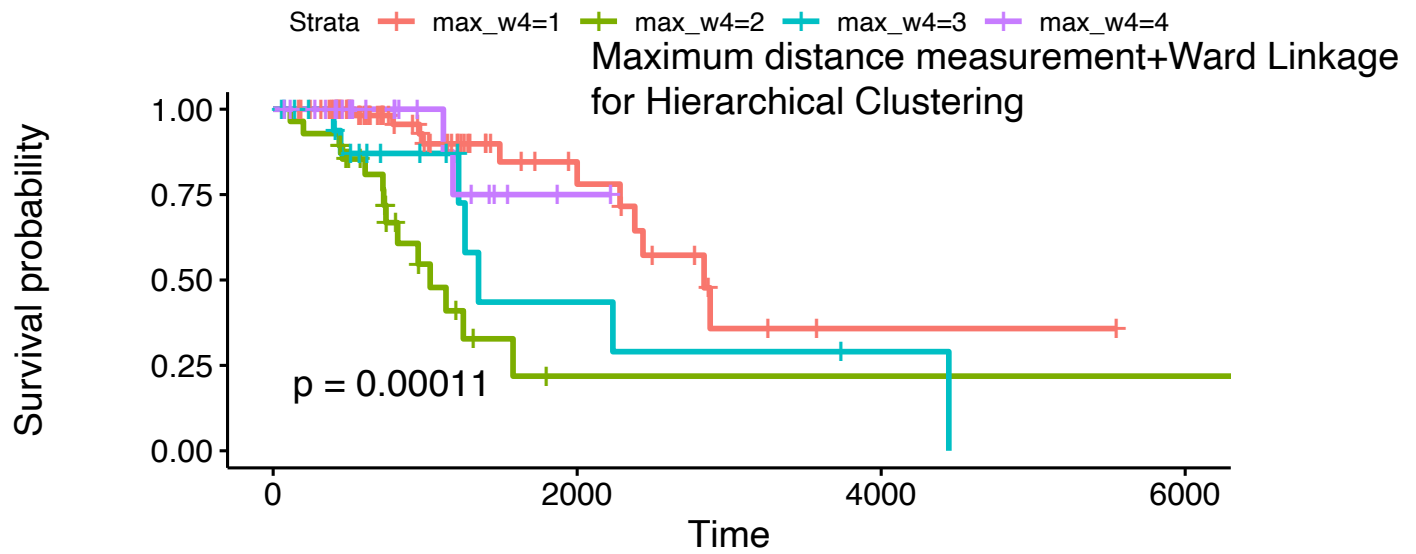




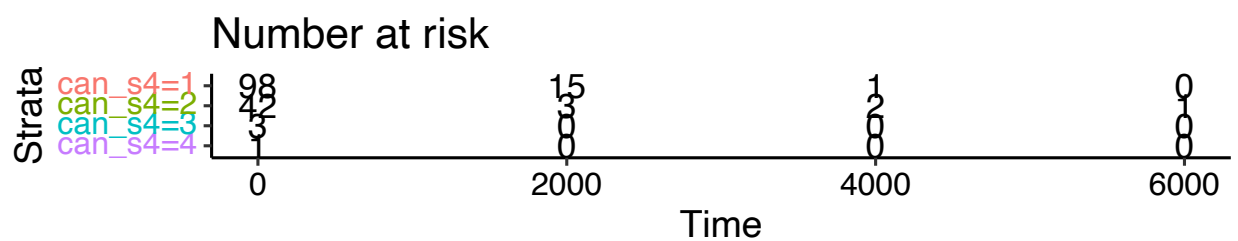
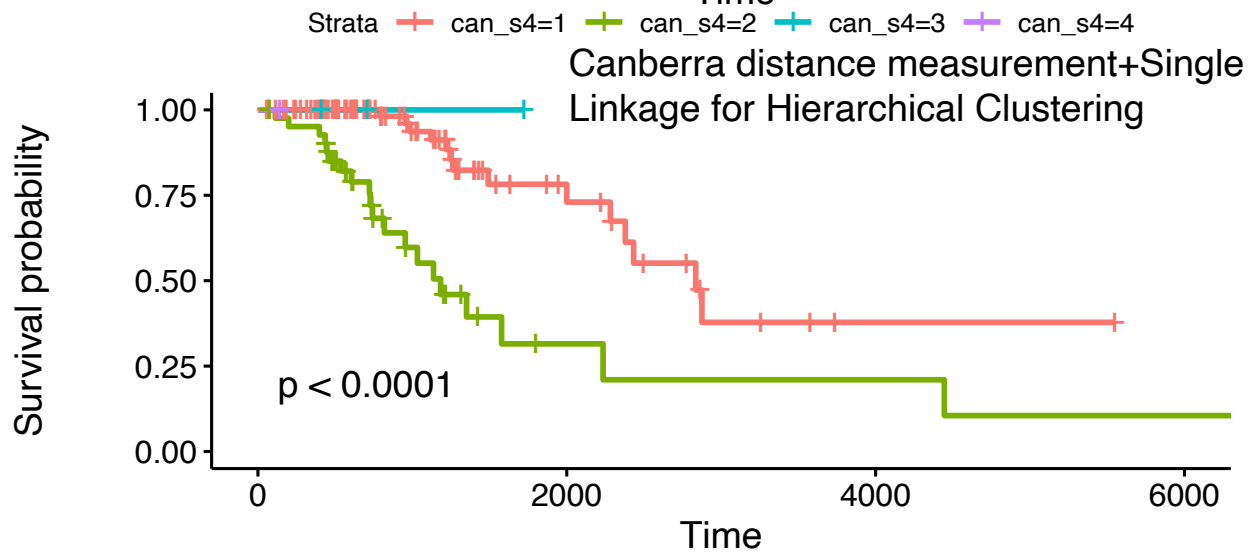
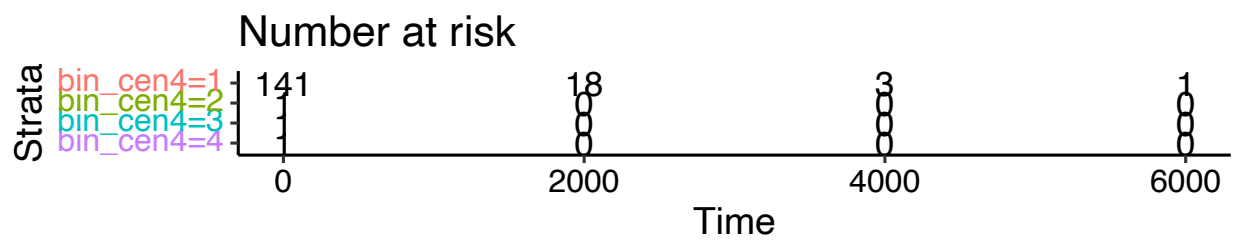
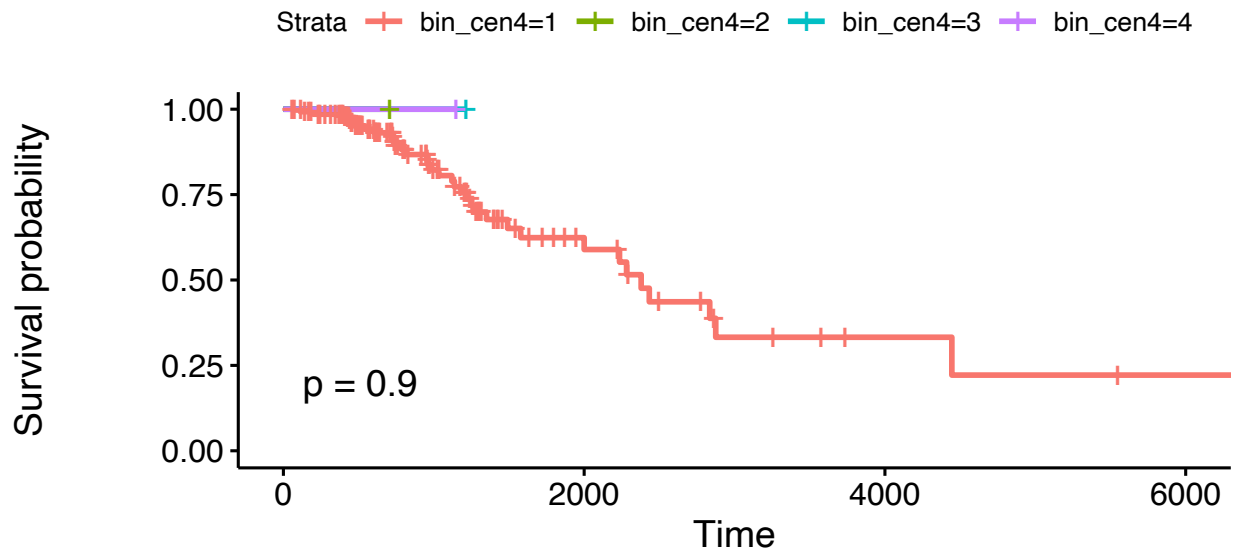


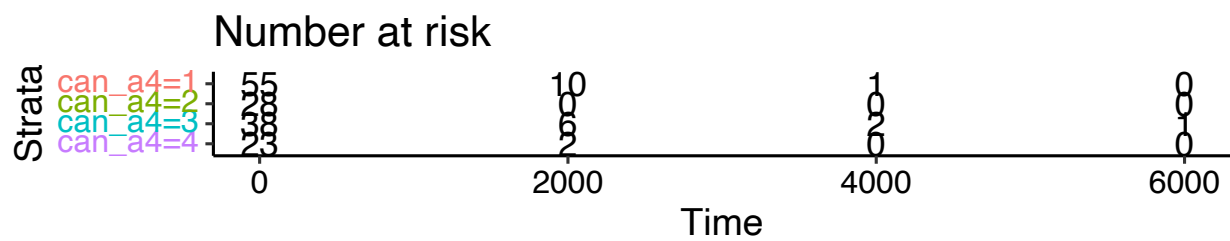
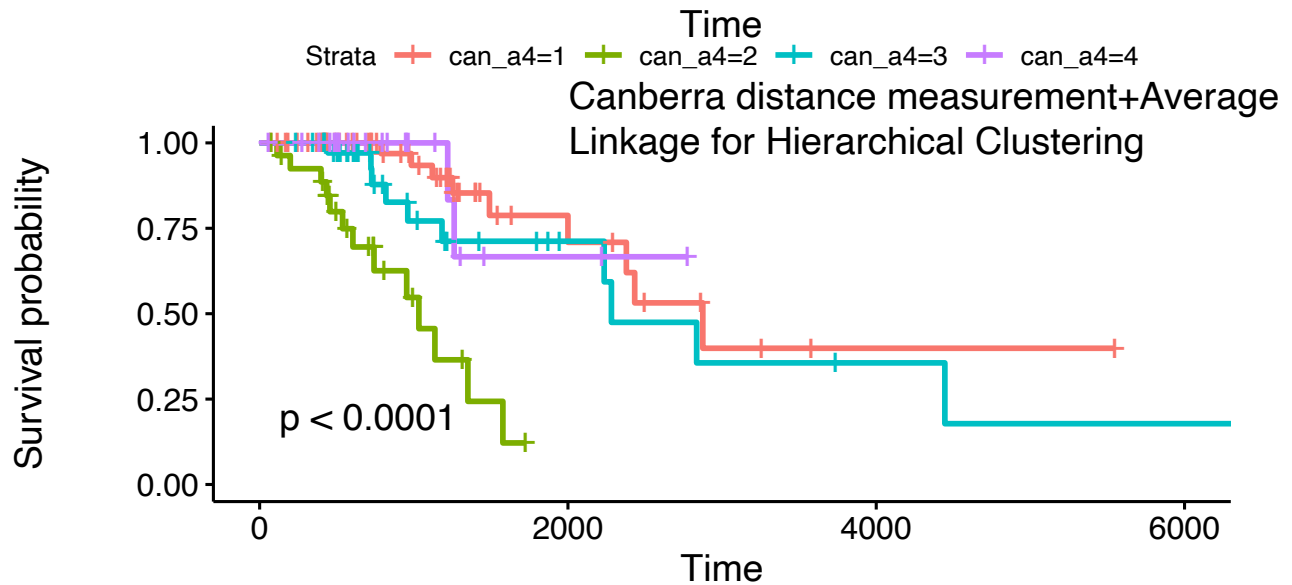
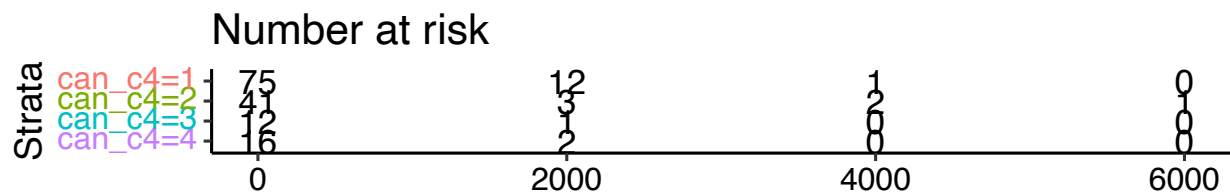
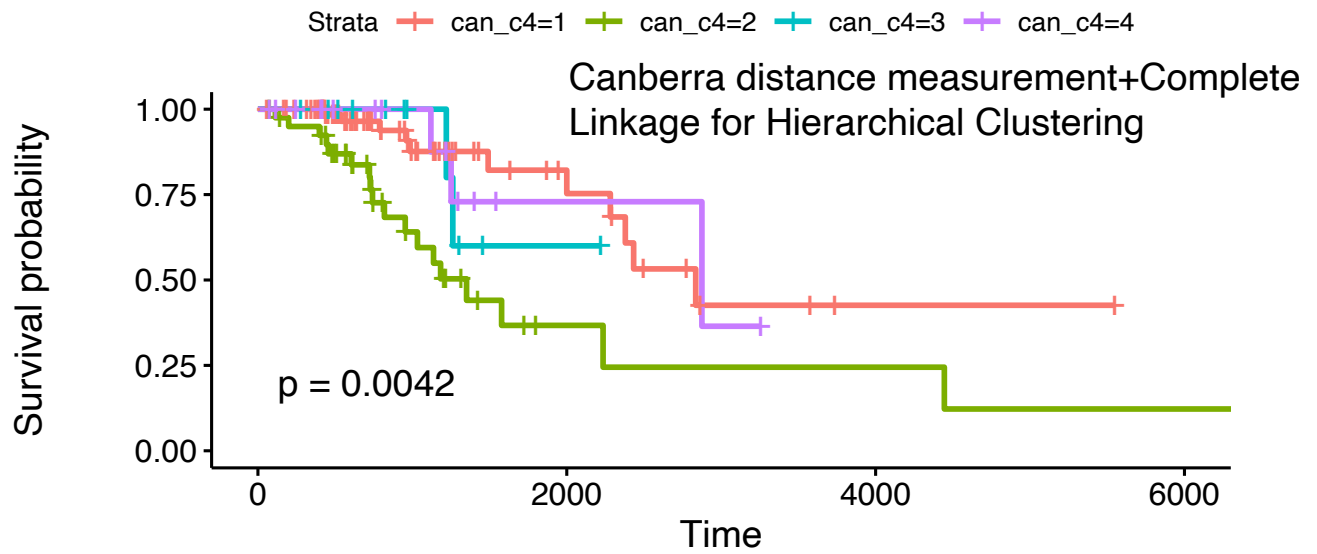


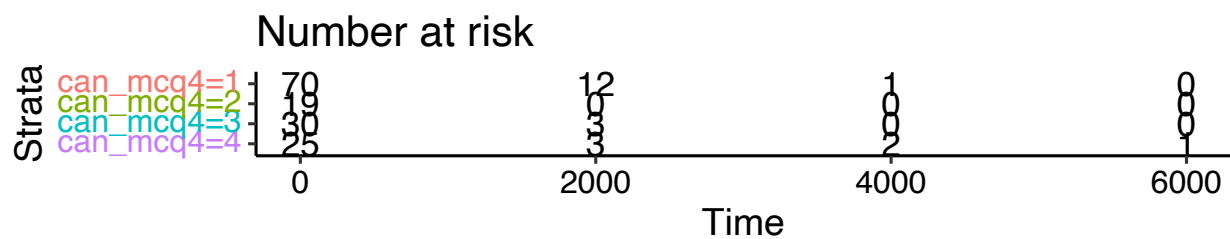
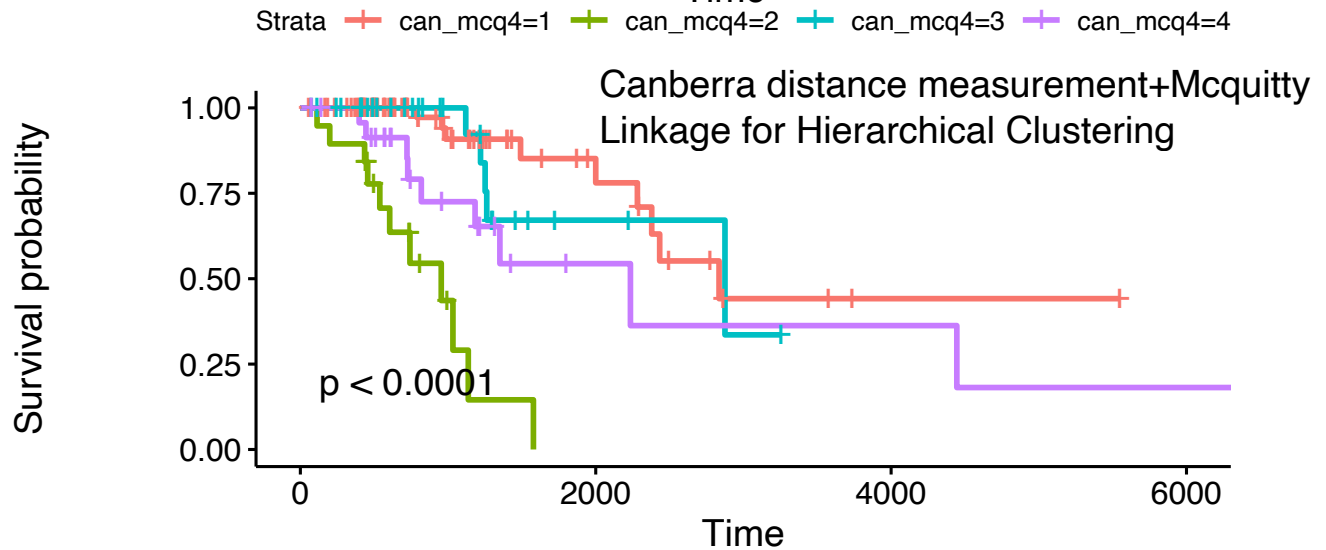
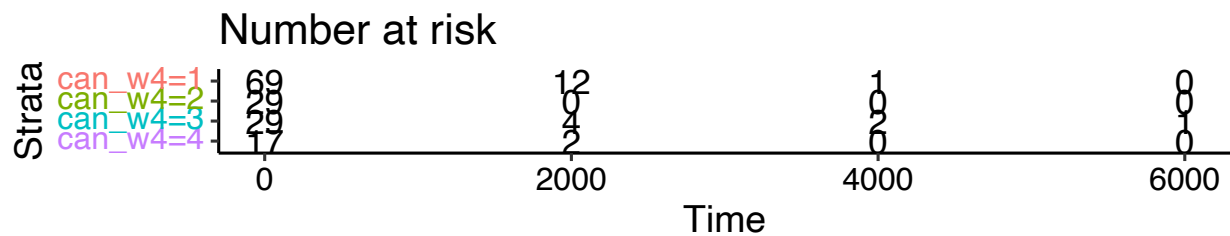
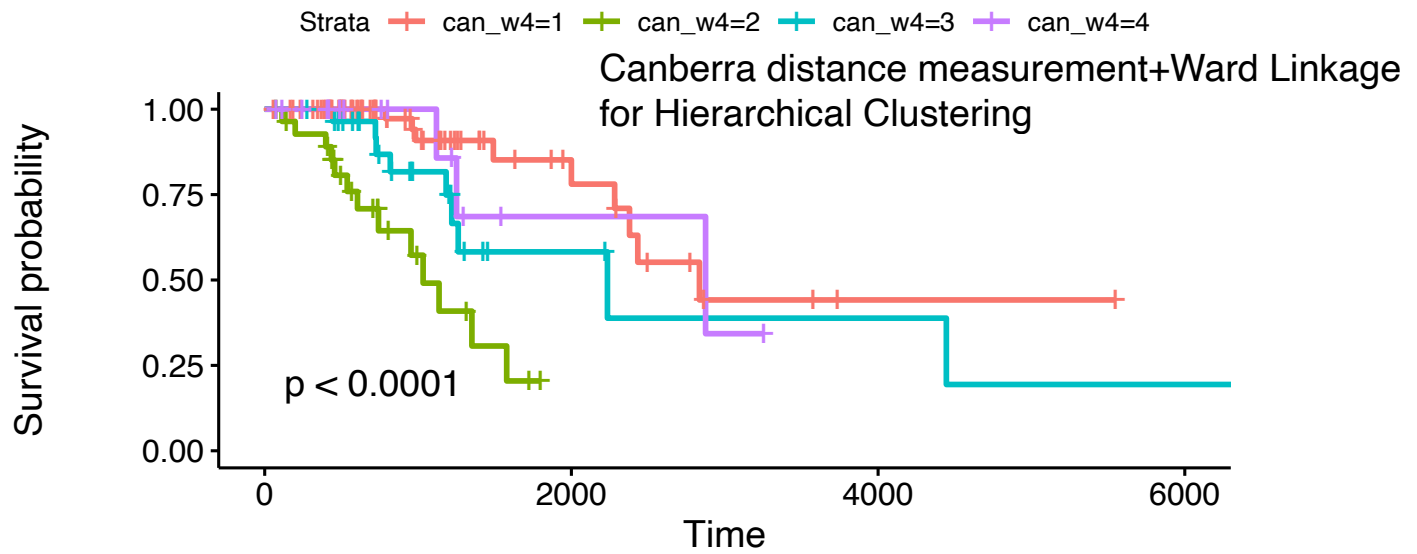


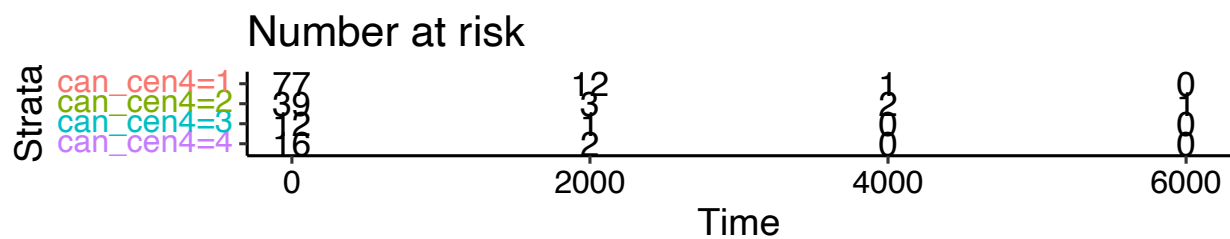
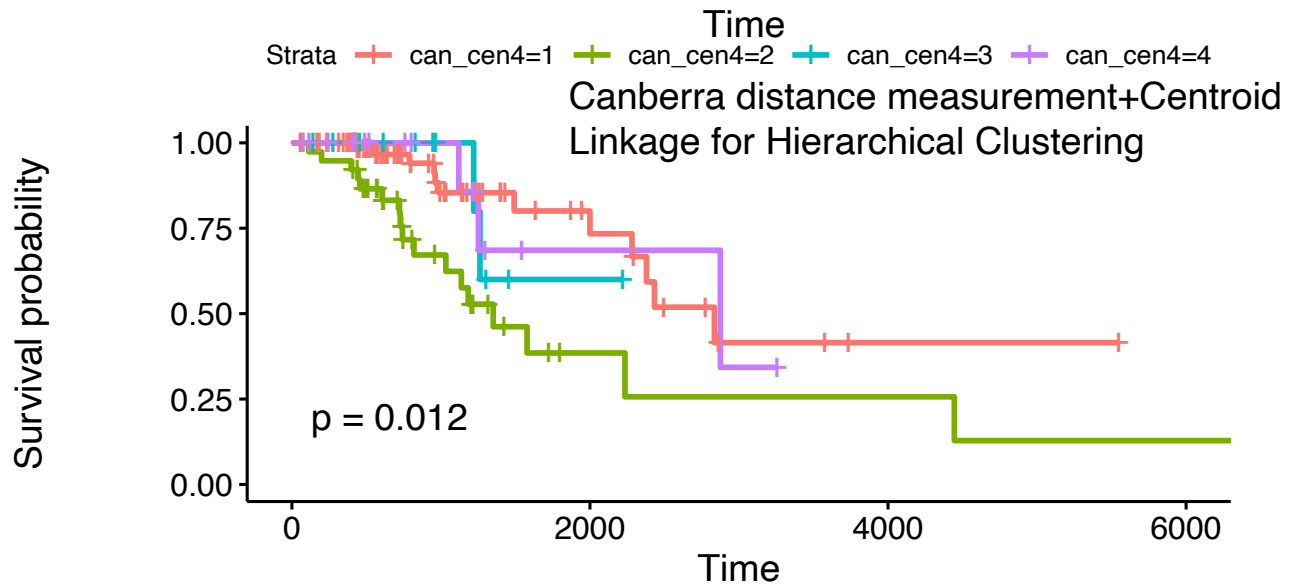
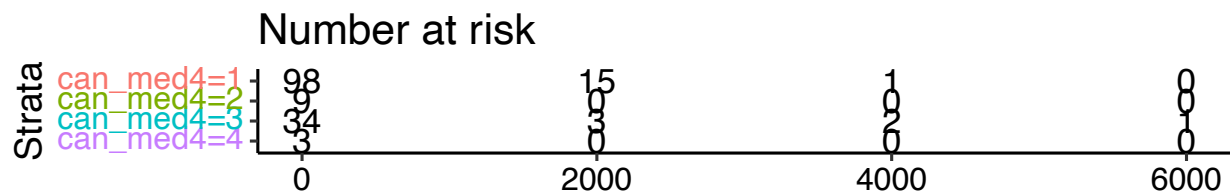
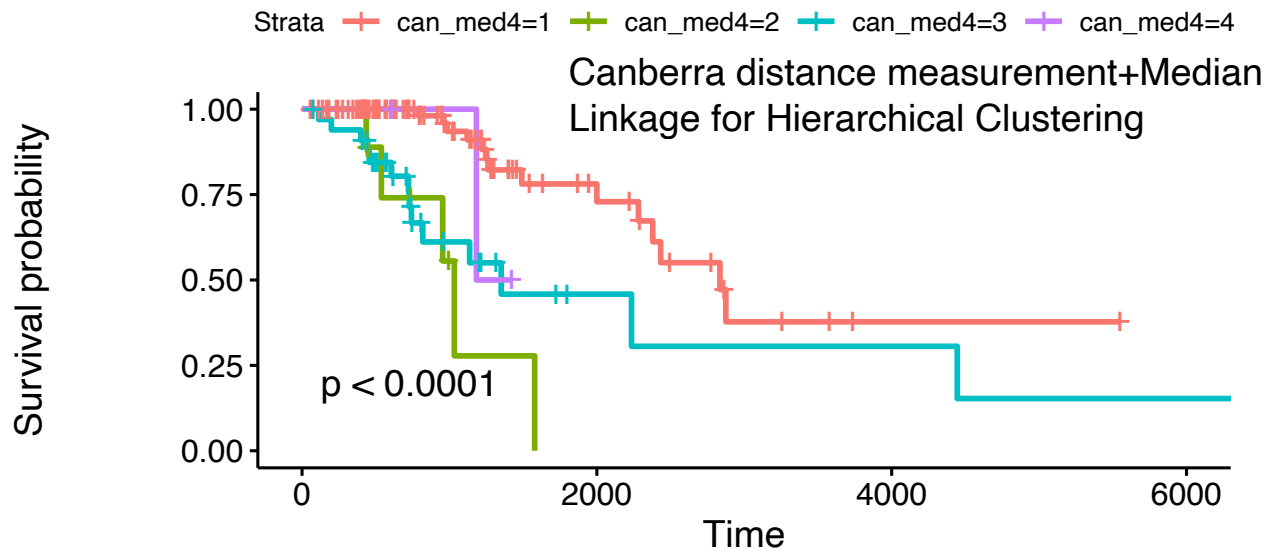


Maximum distance measurement+Mcquitty  
Linkage for Hierarchical Clustering









### 3. DBSCAN

## Warning: package 'dbscan' was built under R version 3.6.2



