

Guide d'étude
Examen MAS-I: Modern Actuarial Statistics I
Casualty Actuarial Society (CAS)

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Préliminaire

Information

Objectives

- › Set forth, usually in broad terms, what the candidate should be able to do in actual practice ;
- › The objectives include methodologies that may be impossible to perform on an exam that the candidate is expected to be able to explain conceptually ;
- › *For example* : The Hat Matrix couldn't be calculated, but conceptual questions about it could be asked ;

Learning outcomes

1. It's important to identify some of the key terms, concepts, and methods associated with each of the learning objectives ;
2. They aren't an exhaustive list of the material being tested, but rather illustrate the scope of each learning objective ;

Information additionnelle

- › The learning objectives define the behaviours and the knowledge statements illustrate more fully their intended scope ;
- › Learning objectives should not be seen as independent units but as building blocks for our understanding ;
- › The ranges are just guidelines ;
- › The overall section weights should be seen as having more significance than the individual section weights

Rappel des bases de statistiques

Vidéos YouTube

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Notes sur les vidéos YouTube

Autres ressources

Liens
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Sujets à l'étude

1 Basics of statistical learning (7.5% à 12.5%)

Information

Objective

Understand key concepts of statistical learning

Learning outcomes

1. Expliquer les différents types de problèmes, et différentes méthodes, de modélisation. Y compris :
 - > Apprentissage supervisé vs non-supervisé
 - > Régression vs classification
2. Expliquer les méthodes courantes pour évaluer la précision d'un modèle.
3. Utiliser les méthodes de base d'analyse exploratoire de données y compris la validation et vérification de données.

Related lessons ASM

1. Basics of Statistical Learning

Vidéos YouTube

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Résumés des chapitres

1. Basics of Statistical Learning

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Notes sur les vidéos YouTube

StatQuest: A Gentle Introduction to Machine Learning

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