



In the current study, We consider a single stock whose ~~cost~~ price observes a switching-geometric Brownian Motion and that it pays no dividends in the current study. Given the current price of a stock the shares, the ~~sell~~ sold axiom is ~~configured~~ consists of a target price and a stop-loss limits. A "Sell" decisions ~~are~~ is made when the ~~any~~ target price reaches either the ~~target~~ or price setting is reached or the set stop-loss limit is reached. However, in reality, One often ~~ppurchases~~ ~~take~~ up the ~~bad~~ ~~wrong~~ stock or the purchase made is at the wrong time in reality. In such cases, it is necessary to sell it ~~sooner~~ ~~as~~ ~~soon~~ as possible to stop loss. In practice, a target price, is typically around a gain of 15% ~~5~~ ~~5~~ ~~5~~%, and a stop-loss limit generally ~~vary~~ ~~varies~~ from 5% to 20%. It is, however, not a good idea to adopt uniform profit-taking. Each stock ~~is~~ different, and has its own characteristics, and ~~Moreover~~, it should be ~~treated~~ ~~handled~~ differently with different rules-of-liquidation rules.

In this study, we also consider a set of target prices and stop-loss limits, and a choose target price and a stop-loss limit in that set to ~~enhance~~ ~~maximize~~ an expected reward function. In addition, we aim at deriving ~~this~~ ~~these~~ price limits. In addition, we ~~get~~ ~~obtain~~ the ~~expected~~ target period that is ~~expected~~ and the probability of ~~making and losing money~~ ~~lose money to make money~~. In practice, The most commonly a frequently used criteria, in fact, for measuring the performance of a the portfolio is the ~~the~~ ~~percentage~~ return rate is per unit time hour. However, such a criterion ~~has lead to many~~ ~~leads to frequent~~ transactions because of it encourages small profit-taking within the short holding time τ_0 . Clearly, such a criterion is not suitable to retail investors. The reason for this is because of the limited time available for trading and A additional transaction costs. A discount factor, in contrast, rules out very frequent ~~transation~~ ~~transactions~~ because the time factor is replaced by a discount rate. This Such a discounted-reward function is natural in many financial problems.

Commented [Crimson1]: Language:
Adding this introductory phrase sets the academic tone of the document and improves the flow of the subsequent information.

Commented [Crimson2]: Word choice:
"Price" is a more appropriate word choice in this context.

Commented [Crimson3]: Typographical error and capitalization:
The spelling error and incorrect capitalization have been corrected.

Commented [Crimson4]: Language:
An advance edit ensures that correct terms are used and the sentence structure is made concise while maintaining the meaning.

Commented [Crimson5]: Language:
A transition word has been introduced here to ensure a logical flow of ideas. Also, "in reality" has been placed in the appropriate part of the sentence, thus eliminating ambiguity.

Commented [Crimson6]: Grammar:
The revision has been made for appropriate word choice and subject-verb agreement.

Commented [Crimson7]: Language:
"Wrong" is a better word choice than "bad" in this instance.

Commented [Crimson8]: Language:
An advance edit condenses lengthy/verbose phrases, thus making the sentence concise.

Commented [Crimson9]: Attention to Detail:
The unnecessary space within the numbers of a value and that between the numeral and percentage symbol have been deleted. In addition, the spaces surrounding the en dash have also been deleted.

Commented [Crimson10]: Punctuation:
A hyphen has inserted between "profit" and "taking."

Commented [Crimson11]: Grammar:
The missing verb "is" has been added.

Commented [Crimson12]: Word choice:
"Treated" is the preferred word choice.

Commented [Crimson13]: Word choice:
"Maximize" is the appropriate word choice in this instance.

Commented [Crimson14]: Grammar:
The demonstrative adjective "these" (plural) has been used in accordance with the plural noun "limits."

Commented [Crimson15]: Punctuation:
The ellipses have been replaced with the correct punctuation mark, i.e., the period.

Commented [Editor16]: Remark:
Note that the highlighted text was unclear. We have edited the sentences to the best of our understanding. Please check whether the edit conveys your intended meaning.

Commented [Crimson17]: Language:
This sentence has been reconstructed in keeping with correct grammar (use of articles), word choices, and sentence structure. Thus the sentence is now distinct in meaning and concise in structure. A remark has been added for the author to verify the changes.

Commented [Crimson18]: Language:

Commented [Crimson19]: Attention to detail:
The unnecessary hyphen between the two words has been deleted.

Commented [Crimson20]: Grammar:

Commented [Crimson21]: Attention to detail:
Uppercase letter has been changed to lowercase.

Commented [Crimson22]: Punctuation:
The missing comma has been inserted to set off "in contrast."

Commented [Crimson23]: Attention to detail:
The missing period has been added here.