



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 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 purchases 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%, and a stop-loss limit generally 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 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 these price limits. In addition, we 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 the portfolio is 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 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.