Algorithm 1: Bagged Averaging

Input : Original dataset $\mathcal{D}$, Number of classifiers T
Output: Aggregated prediction

Initialize empty set of classifiers $\mathcal{C}$;
Initialize empty set of predictions $\mathcal{P}$;

for $t = 1$ **to** T **do**
    Sample a bootstrap dataset $\mathcal{D}_t$ from the original dataset $\mathcal{D}$;
    Train a classifier C_t using $\mathcal{D}_t$;
    Make predictions $\mathcal{P}_t$ using classifier C_t;
    $\mathcal{C} \leftarrow \mathcal{C} \cup C_t$;
    $\mathcal{P} \leftarrow \mathcal{P} \cup \mathcal{P}_t$;
end

Aggregate predictions in $\mathcal{P}$ using averaging or voting;
return *Aggregated prediction*;