

Package ‘bptips’

June 16, 2026

Title Server Earnings Calculations

Version 0.1.0

Description A collection of functions that allow servers (specifically BPKP) to summarize and verify shift earnings, identify composition of tips and hourly wage, and track performance through several metrics.

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 8.0.0

NeedsCompilation no

Author Avery Bennett [aut, cre]

Maintainer Avery Bennett <avery.bennett@uwaterloo.ca>

Repository CRAN

Date/Publication 2026-06-16 20:20:02 UTC

Contents

sum_shift	1
Index	4

sum_shift	<i>Summarize a server shift</i>
-----------	---------------------------------

Description

Calculates and summarizes earnings, sales, and performance metrics for a single server shift.

Usage

```

sum_shift(
  hours,
  hourly_wage,
  total_tips = 0,
  bar_tipout = 0,
  bp_tipout = 0,
  cash = 0,
  total_sales = NULL,
  bar_sales = NULL,
  bp_sales = NULL
)

```

Arguments

hours	Numeric. Total hours worked.
hourly_wage	Numeric. Hourly wage rate.
total_tips	Numeric. Total tips collected before tipout. Default 0.
bar_tipout	Numeric. Amount tipped out to bar. Default 0.
bp_tipout	Numeric. Amount tipped out to restaurant Default 0.
cash	Numeric. Cash tips received. Default 0.
total_sales	Numeric. Total sales from cash out report. Default NULL.
bar_sales	Numeric. Bar sales from cash out report. Default NULL.
bp_sales	Numeric. Restaurant section sales from cash out report. Default NULL.

Value

An object of class `sum_shift` containing four lists:

inputs Raw inputs passed to the function: `hours`, `hourly_wage`, `total_tips`, `bar_tipout`, `bp_tipout`, `cash`

earnings takehome_tips Total tips after tipout, plus cash. What you actually walk away with, in tips.

tipout Sum of bar and restaurant tipout. Total amount that gets tipped out.

total_earnings Take-home tips plus base pay. Full take-home for the shift before tax deductions.

hourly_earnings Gross hourly rate including all tips collected before tipout, plus wage.

takehome_hourly_earnings Total earnings divided by hours. What you made per hour, before tax deductions.

sales total_sales Total sales from cash out report.

bar_sales Bar sales from cash out report.

bp_sales Restaurant sales from cash out report.

total_sales_not_subject_to_tipout The gap between reported sales and the amount of sales that was tipped out on.

performance tip_percentage Total tips as a percentage of total sales. Average customer tip percentage is a standard measure of server performance.

tip_burden Tipout as a fraction of total tips. Of every dollar earned in tips, how much went to tipping out others.

earnings_efficiency Total earnings divided by total sales. For every dollar your tables spent, how much ended up in your pocket.

tips_retention_rate Take-home tips as a fraction of total tips. What proportion of tips you kept after tipout.

Examples

```
sum_shift(hours=6, hourly_wage=12, total_tips=200, bar_tipout=20,  
          bp_tipout=14.18, cash=10, total_sales=1200,  
          bar_sales=400, bp_sales=513.23)
```

Index

sum_shift, 1