# goal

Find arbitrage opportunities for the cars second hand market.

Arbitrage opportunities:

1. strong : a car can be bought and sold at the exact same moment
2. weak: a car can be bought and probably be sold for a higher price in the future

# sources

# high level plan <<<<<<< HEAD <<<<<<< HEAD \* scrape 2ehands.be cars section (server) \* analyse (locally) \* notifications when arbitrage opportunities arise # scrape 2ehands.be \* [?] multiple instances http://thestatsgeek.com/2015/11/30/running-simulations-in-r-using-amazon-web-services/ 70k announcements vs 60s\*60m\*24h = 86400 \* try to avoid doing it too suspiciously (randomize) \* [?] crawl rate of 1 request /5s? http://stackoverflow.com/questions/22168883/whats-the-best-way-of-scraping-data-from-a-website \* [?] does AWS changes IP addresses when scraping or does the same instance always correspond with the same IP address? https://ip-ranges.amazonaws.com/ip-ranges.json \* scraping order: ======= ======= >>>>>>> dc6bec5733cc911139e826c0730cd85fe0b67091 -scrape 2ehands.be cars section (server) -analyse (locally) -notifications when arbitrage opportunities arise # scrape 2ehands.be -[?] multiple instances http://thestatsgeek.com/2015/11/30/running-simulations-in-r-using-amazon-web-services/ 70k announcements vs 60s\*60m\*24h = 86400 -try to avoid doing it too suspiciously (randomize) -[?] crawl rate of 1 request /5s? http://stackoverflow.com/questions/22168883/whats-the-best-way-of-scraping-data-from-a-website -[?] does AWS changes IP addresses when scraping or does the same instance always correspond with the same IP address? https://ip-ranges.amazonaws.com/ip-ranges.json -scraping order: <<<<<<< HEAD >>>>>>> dc6bec5733cc911139e826c0730cd85fe0b67091 ======= >>>>>>> dc6bec5733cc911139e826c0730cd85fe0b67091 1) scrape all cars (to test weak arbitrage opportunities) 2) refresh every once in a while # analyse <<<<<<< HEAD <<<<<<< HEAD \* typical patterns of bids (once) \* by car, brand, other interesting variables \* arbitrage opportunities (every time scraping takes places) o strong \* compare equal cars in dataset o weak \* compare price at specific moment with regular price for a car at that moment ======= ======= >>>>>>> dc6bec5733cc911139e826c0730cd85fe0b67091 -typical patterns of bids (once) -by car, brand, other interesting variables - arbitrage opportunities (every time scraping takes places) -strong -compare equal cars in dataset -weak -compare price at specific moment with regular price for a car at that moment <<<<<<< HEAD >>>>>>> dc6bec5733cc911139e826c0730cd85fe0b67091 ======= >>>>>>> dc6bec5733cc911139e826c0730cd85fe0b67091