Interactive Workflow

On opening R console, e.g. for debugging

activate()

- Set Environment Variables `GITHUB_HEAD_REF` and `GITHUB_BASE_REF`
- All that `run_script()` does except running `touchstone/script.R`

Run parts of `touchstone/script.R` interactively as you like.

deactivate()

- Restore previous environment (library paths, environment variables, R options).
- Not required, can also just exit/restart R.

GitHub Actions Workflow

On pull request opened

Environment variables are set:

- `GITHUB_HEAD_REF` is the feature branch
- `GITHUB_BASE_REF` is the branch you want to merge into

run_script()

- Move touchstone script to temp dir
- Set library path to head ref
- Set options for pinned asset directory
- Run `touchstone/script.R`

branches_install()

- Ensure no global installation
- Check out branches
- Set library path
- Install package
- Ensure no global installation

Custom setup code

- May call package
- May pin assets with `pin_asset()`

benchmark_run()

- Checkout a branch
- Prepend library branch path
- run `expr_before`
- Run benchmark, may use pinned assets with `path_pinned_asset()`
- Repeat

benchmarks_analyze()

- Store artifacts (PR text and plots)

Comment on PR

.github/workflows/touchstone-comment.yaml