



## DECKS IN THE SERIES (SO FAR)

**#1 Folding** over **recursively defined data structures** for **natural numbers** and **lists**

**#2 Programmatic** and **mathematical** definitions of **right fold** and **left fold**

**#3** The **universal property** of **fold**

**#4** For functions that can be defined both as an instance of a **right fold** and as an instance of a **left fold**, one may be more efficient than the other

**#5 Folding** a **list right** and **left** using **Cons** and **Nil** results in the **identity** and **reverse** functions

**#6 Left** and **right folds** and **tail recursion**

**#7** The three **duality theorems** of **fold**

**#8 Folding** with **monoids**