## 6104- Modular JavaScript ## Module - self-contained piece of code providing functions and methods. - keeps code organized in separate, revsable files, improving code maintainability. Coupling - how dependent elements are on each other ES6 added native support for modules · code in modules are always in strict mode modules have own global scope ■ Value of this in top level of a module is undefined I Cannot use HTML-Style comments in modules - USE keyword export to specify values or functions that are made available from the module Pi module: export const PI = 3.1415926; imported into main JavaScript file using code: import {PI} from '/ pi. 15'; Il allows variable PI to be used - Functions can be exported from a module also function square (x) 9 ... 3 function Sum (Array, Callback) 3...3 function variance (array) E. . 3 function mean (array) {...} export } variance, import & man, variance } from ! ( state 15; //allows mean and Variance functions to be available. Square and &

import * as stats from '. (stats. 15';
Cimports all functions in state giving the namespace sta
DEFAULT EXPORTS - Single variable, function or class in a module
that can be imported without having to be explicitly name
const PI = 3.145926; Const stats = {
export default PI; function
function 3
export default stats
Do not use more than one default export
Aliases assigned to a module chonot have to match its
name in the actual module.
Node je Modules - Common US modules

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